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Repeater Journal

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The Official Voice of SERA, Inc.

May, June, July, 2001 **3.00**

It's Never Too Late!

82 Year Old Gets His License.
See East Tennessee Column

SERA At The Hamfests

Signing up Memberships



In This Issue!

SERA-At the Hamfests-Page 17

Newly Updated 2001 Hamfest Calendar

Nostalgic! The Old 6M Transmitter-Page 39

Getting Started! A look at other VHF/UHF Bands

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MAY, JUNE, JULY, 2001 - ISSUE 2

SERA
Repeater
Journal
The Official Voice of SERA, Inc.

By Far...The
Most Recognized
Regional Amateur
Publication in the
United States

The Voice of the SouthEastern Repeater Assn., Inc.
Published 4 Times A Year in Feb., May, Aug., Nov.
Exclusively for Southeastern Repeater owners and users.

Editorially Speaking . . .

Bits and Pieces - Here 'n There

The year 2001 has shown us a few good ham-fests, and a few hamfests which are down from last year. We just wonder how much lower can the clubs allow these shows to go before it gets beyond any reason to continue. Thus far, we have 8 more shows which have canceled for 2001. Some may come back, some may be gone forever. We have seen a couple of new ones pop up, but they are advertising them as "intimate" swapfests, which is probably the wise thing to do. A great majority of hams just aren't supporting their local and area hamfests the way they really should, and this is what becomes the main reason for the disarray we are seeing in some areas concerning hamfests.

I should be quick to point out, there are some few shows have been unaffected by the economy or anything else it seems. They just keep on going!

I am continuing my "visitation" of some of the stateside hamfests. I get such great pleasure out of going to them, and meeting with my "old buddies" whom I have known for some time. It seems I don't get to help Frank and the other guys out much at the SERA booth - I'm too busy yakking and having fun. Last month at Raleigh, NC, I spent almost 4 hours doing nothing but walking, talking, looking and eating, and I enjoyed every minute of it! Wife Gerry also went with me.

Gary Pearce, KN4AQ, our new Repeater Journal Associate Editor and I will be getting together some more, to go over procedures and other things concerning the Repeater Journal and all that is involved in gathering the news, ads, indexes and everything else. He will be taking a more active part in putting together the Journal in coming issues. Our biggest obstacle is to figure out how to let two persons produce pages of the book 90 miles apart, and bring them together for the printer. We are already moving toward the future. You will note the paper the Journal is printed on beginning this issue is a little thicker, and is a coated stock. This is making way for better reproduction down the road when we take our digital pages on disc to an outlet who can go directly to negative for us. Presently we have to output paper pages, and they are shot on a camera to produce negatives. This results in a tremendous loss, especially in the photos. Going digital to negative will almost totally eliminate any loss of quality and give you as much as possible a WYSIWYG from computer screen to paper page. We have needed someone badly for years to serve as backup for this old man, and to ultimately become the main go-to guy. Fortunately Gary has come along. He brings with him much experience in modern magazine production as well as being a terrific writer.

-Wayne C. Williams, K4MOB

MAY, JUNE, JULY 2001 1

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May, Jun., Jul., 2001
Volume 30, No. 2
Organized in 1971

"Providing 30 Years"
Of Continuous Service
To Amateur Radio

Presenting Page 2 ... In This Issue ...

Editorial Comment! "Bits and Pieces"	1
Full Membership Continues Strong	3
The FCC Liaison Corner	6
From the Moon to the Earth	10
John Rickard Offers A Lifetime Devoted to Service and Teaching	16
SERA at the Hamfests - A Staff Pictorial	17
Doing things other than Coordinating in WV	38
West Virginia News Items	48
Ham Club Helps out in Telethon	49

DEADLINE For August issue is July 1, 2001

Where to Find it Quick!

Directors/Vice Directors/Assistants	1
All About SERA - The Organization	2
SERA Officers, Committee and Staff	2
Associate Membership Applications	7
SERA Financial Report	12
SERA Repeater Index State/City	21-30
SERA Repeater Index by Freq	30-35
2001 Hamfest Calendar	51
Full Membership Application	52
SERA Advertisers Index	52

North Carolina News - Gene Fegely	12
Look At It This Way - Marvin Whatley	15
Kentucky Happenings - Fred Jones	16
The Repeater Workshop - Frank Lynch	18
Tennessee News (East) - Bob Gault	20
Getting Started - Gary Pearce	36
Nostalgic Wavelengths - David Bower	39
South Carolina News - Roger Gregory	43
Virginia News - Sammy Simmons	46
Tennessee News (West) - Rickey Brown	47
Technical Advice - Randy McKenzie	49
Georgia News - M. Terry Jones	50

Check out the Official SERA Web Site: www.sera.org

About the SouthEastern Repeater Association,

SERA, SouthEastern Repeater Association, Inc. is the largest, most well known, non-profit Repeater Coordinating Organization in the United States. SERA territory covers over 329,000 square miles across 8 states. Over 2,270 repeaters are available to more than 92,300 Amateurs from the Southeastern member States of Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, and West Virginia. In 2001, SERA enters its 30th year of service with our continued mission statement: "To serve the Amateur repeater owners and users of the Southeast by providing a voice of communications, information and education with the publication of the *Repeater Journal*, and the guidance of our State (Director) Coordinators, officers and volunteers."

About the SERA Repeater Journal Magazine

The *Repeater Journal*, voice of SERA is published quarterly, on the first of the months of February, May, August and November and mailed free to members of SouthEastern Repeater Association, Inc. DEADLINES: News and Ad copy due the 1st of the month, one month prior to publication. (Jan. 1 for Feb, Apr. 1 for May, Jul. 1 for Aug, and Oct. 1 for Nov. issues.) The *Repeater Journal* is mailed Bulk Rate at the Post Office in Greensboro, NC. The *Repeater Journal* newsstand cover price is \$3.00 and is available from numerous retail Amateur Dealers in the southeast. News and newsletter exchanges should be mailed to the Editor or for coverage to individual State correspondents, whose addresses are in this book under their individual State Columns.

IMPORTANT NOTICE:

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About SERA Associate Membership

(A Membership for Repeater Users)

Amateurs, especially repeater users, are invited to join SERA as Associate Members. Only \$8.00 per year will enable one to support the organization and receive the *Repeater Journal*. Associate Membership deadlines are the 15th of the month preceding months of publications - (Jan. 15, April 15, July 15, and October 15). Persons joining or renewing their memberships must have their application into the Tobaccoville Post Office Box by those deadlines to receive the next upcoming *Repeater Journal*, published the first week of February, May, August and November. Memberships received after deadline will receive the forthcoming issue the following quarter. HOT-P Associate Memberships (*Repeater Journals* mailed 1st Class rate) are limited to one year memberships at \$14.25 per year. Regular membership *Repeater Journals* are mailed Bulk Mail. SERA does not issue receipts for Membership applications, nor are *Repeater Journals* forwarded to new addresses. If you move, we must be notified. Members should wait until next *Repeater Journal* comes out to report any problems. Write SERA Associate Membership, P.O. Box 215, Tobaccoville, NC, 27050-0215 for further information. Associate Members may hold appointive offices and positions within the SouthEastern Repeater Association, Inc.

About SERA Full Repeater Membership

(A Membership for Repeater Owners & Sponsors)

Officers and Directors are elected from Repeater representatives who are SERA Full Members. Any repeater owner or club may with a coordinated, operable, repeater, join SERA as a Full Member. Full Membership application, coordination information (if not on file) and \$20.00 should be submitted for the annual Full Membership fee. Two Full Members, named and listed on the application by the owner, receive the *Repeater Journal* from each application. The Full Member repeater is also appropriately recognized as a SERA supporter in the repeater index with a "Smiley Face" (☺) code. All Full Memberships expire on December 31 of each year. Write SERA Membership, P.O. Box 215, Tobaccoville, NC 27050-0215 for further information.

Full Membership Remains Strong

Second Quarter SERA Full Membership continues on a strong trend with a total of 59.5% of the known repeaters in the Southeast voluntarily joining our organization by paying their annual dues.

Leading the way is North Carolina with 70.6% of their total 428 repeaters reporting in as full members. In fact, the state may set another new record which they had achieved last year with 329 member repeaters. With only the start of the second quarter reporting they already have 302 memberships in. This is only 27 from tying last years record.

South Carolina, Georgia, Kentucky and Virginia each have good showing of Full Membership with an excess of 60% thus far. To add to the nice totals, we have 21 repeaters from outside our area who have chose to join SERA. They include repeaters in PA, NH, FL, NJ and TX.

SERA can boast of having a total of 1,297 Full Member Repeaters in our territory, and another 21 outside our territory. This makes us have the 59.5% of the 2,181 known repeaters in our territory.

Our "Unknown" listing did not grow very much this year changeover, fortunately. That means that more repeater owners get their repeater datasheets in to SERA, and many unknowns were cleared out by Coordinators. The "unknown" listing of repeaters is printed at the end of the By-State, By-City index beginning on Page 29. Generally the annual changeover is first published in the May issue. This gives our database department time to see that all are properly listed, and gives coordinators a period of time to try to contact some repeater owners to verify if indeed they do have a repeater on the air or it is a listing that is obsolete.

See the column at the beginning of the listings for an additional explanation of what constitutes an "unknown" listing, and also at the end of the section, how a repeater owner may get his repeater moved from the "unknown" to the regular repeater index if he wishes.

Any other service desired by anyone owning a repeater, or wishing to work with a coordinator to find a suitable frequency should check Page 1 of this magazine for the coordinator in their area from their own state.

SERA does not charge for any services that may be provided any one. Our sole income is derived from the voluntary membership paying repeater owners and the many repeater users who support us with their memberships. There are numerous ways of contacting SERA through the web site, by telephone to their individual coordinator, through the help and info addresses in email and the toll free number.

SERA Full Repeater Membership Report

Full Membership - By State - By Year - From 1993 - 2001										2nd QUARTER 2001 REPORT		
SERA STATE	TTL '93	TTL '94	TTL '95	TTL '96	TTL '97	TTL '98	TTL '99	TTL '00		2nd Qtr. 2001	TOTAL Mbr. %	TOTAL SERA RPTRS STATE
GA	195	208	236	217	260	232	235	241		234	61.6%	380 GA
KY	80	86	122	129	140	154	165	166		165	63.2%	261 KY
MS	50	60	75	73	60	59	62	71		68	51.9%	131 MS
NC	243	265	274	295	283	288	278	329		302	70.6%	428 NC
SC	68	68	83	81	84	79	91	97		92	62.2%	148 SC
TN	188	182	202	193	227	221	206	225		211	50.5%	418 TN
VA ⁽¹⁾	157	173	178	162	181	189	182	170		168	63.9%	263 VA
WV ⁽²⁾	62	70	82	84	90	95	80	76		57	37.5%	152 WV
TTLs	1043	1112	1252	1241	1325	1317	1299	1375		1297	59.5%	2181 ALL

(1) Total Virginia list does not include 100 or more listings in T-MARC Territory, (North of Highway 33 and Latitude 38-degrees North), and
(2) 10 or more listings in the West Virginia Panhandle area in T-MARC Territory.
"Unknown" repeater listings are not counted in State repeater totals. Out-of Sera Full Mbrs - 21
Last update 4-15-01

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From Statesville or Yadkinville: I-40 E to Cherry St. North on Cherry St. approximately 5 miles to Deacon Blvd., right on Deacon Blvd. Hamfest entrance is through Gate 5 on right.

From Mt. Airy: South on US-52 to University Parkway. Turn right on University Parkway. Follow University Parkway to Deacon Blvd. Left on Deacon Blvd. Hamfest entrance is through Gate 5 on right.

Accommodations:

The Holiday Inn North (336-723-2911) and the Courtyard by Marriott (336-727-1277) are both only 1/2 mile from the Hamfest. The fairgrounds have full RV hookups for only \$15.00. Access to site is after 6 PM Friday.

Name _____ Call _____

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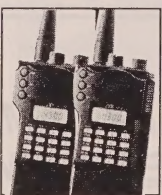
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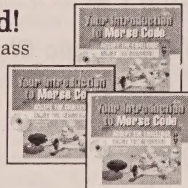
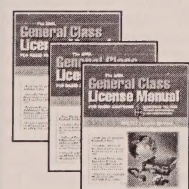
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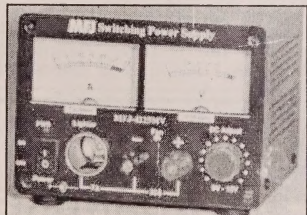
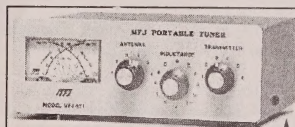
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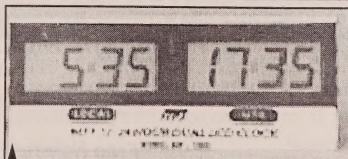


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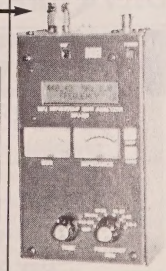
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The FCC Liaison Corner

-By Frank A. Lynch, W4FAL

From time to time, SERA is asked to provide to the FCC, the coordination status of a particular repeater. This usually occurs when there is a formal complaint made to the FCC. The following is a excerpt for the FCC enforcement logs of January 02, 2001.

ROBBINSVILLE, NC: The FCC wrote licensee Terrence C. Williams, KR4RR on December 12, 2000, citing a complaint that Williams was operating an uncoordinated repeater on 145.110 MHz at Robbinsville, North Carolina, that was causing interference to coordinated repeater WM4T. The complaint also said the licensee had not responded to efforts to resolve the interference problem. FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth cited §97.205 of the FCC rules that states where interference occurs between a coordinated repeater and an uncoordinated repeater, the licensee of the uncoordinated repeater has primary responsibility to resolve the interference. Hollingsworth requested that Williams provide a copy of any coordination document or detail actions to obtain coordination. He also asked Williams to detail any complaints he may have received about operation of the KR4RR repeater and any action taken to resolve them, and to provide any copies. Hollingsworth requested the information within 20 days.

As the FCC Liaison and Database Manager for SERA, I provide information to the FCC when they inquire about the coordination status of a repeater. In the case of the Robbinsville repeater, we did find that they had in fact, been coordinated and were operating the repeater as per the terms of that coordination. This information was provided to both the FCC (Riley

Hollingsworth) and the repeater trustee. In the Feb.15, 2001 enforcement log, the following notice appeared.

ROBBINSVILLE, NC [UPDATE]: The FCC wrote Amateur Extra licensee Terrence C. Williams, KR4RR, on January 25, 2001, to follow up on an earlier complaint that the licensee was operating an uncoordinated repeater on 145.110 MHz at Robbinsville, North Carolina, and that the repeater was causing interference to the coordinated WM4T repeater. FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth said his office had reviewed the licensee's response of December 29, 2000, which furnished evidence that the repeater was coordinated by SouthEastern Repeater Association, and that it is operating within the coordination parameters. "Therefore, we have determined that no enforcement action is warranted in this matter," Hollingsworth concluded.

In this case the repeater was properly coordinated and the FCC took no action. I do encourage each repeater owner who operates an uncoordinated repeater to consider getting your machine coordinated if possible. Uncoordinated repeaters in our area fall into two categories. Those that can't be coordinated due to technical issues with spacing, ERP, and adjacent channels AND those that coordination has never been applied for. In many cases the later category can be fixed. Contact your frequency coordinator for assistance.

W4DR-DeSoto Cup winner

-From ARRL Letter

Bob Eshleman, W4DR, of Midlothian, Virginia, is the winner of the Clinton B. DeSoto Cup for 2000. The DeSoto Cup

- a new ARRL award being presented for the first time - recognizes the station that's on top of the DXCC Challenge List as of September 30 each year. The Cup will be presented this month at Dayton's "DX Dinner" sponsored by the Southwest Ohio DX Assn.

Eshleman is practically a lifelong DXer and DXpeditioner. First licensed in 1950 as W4QCW at age 14, Eshleman says his first station was a crystal-controlled 6L6 oscillator on 80 meters, a folded dipole made of 300-ohm TV twin lead and a BC-454 military surplus receiver. He subsequently graduated to grander gear and much more effective antennas. By 1954, he had DXCC in the bag (#2037).

After completing dental school and starting a family, he soon achieved DXCC Honor Roll and the first-ever Five Band DXCC, among other DXCC honors, including the first single-band DXCC awards on 40 and 10 meters. He credits the 119 countries he worked in the 1980s and 1990s on 6 meters as being "probably decisive in winning the first DeSoto Cup."

Now retired as a full-time dental school faculty member, he's used the intervening years "to catch up on the WARC bands" he'd neglected while chasing DX on 6 meters. He and his wife Rosalie, N4CFL, are headed for a month's trip to Syria and Egypt, during which they will be operators as YK9A. His sons Curtis and Lee both are licensed, KK4HJ and WA4CSG respectively.



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SERA East TN Coordinator Berry Presents Program to Oak Ridge Club

- Photos and Story by Dave Bower, K4PZT

"All You Wanted to Know About Repeaters and Copordination, But Were Afraid to Ask" was the subject of Tim Berry, WB4GBI and his seminar at the April Oak Ridge (TN) ARC.

Berry, who is Vice-Director of Tennessee and the Eastern coordinator of that state for SERA was invited to speak to the club.

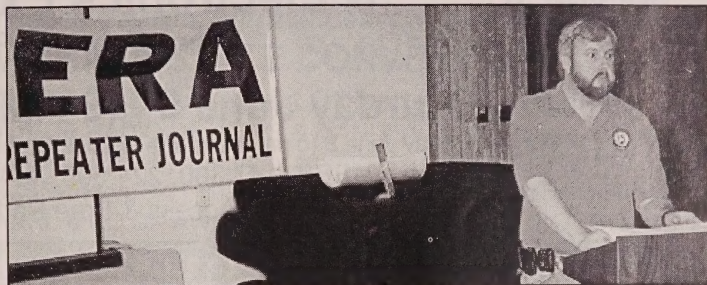
He went into detail the makeup of a repeater, what was involved in time, talent and cost. He then went into the process of how SERA would coordinate a repeater frequency afterwards he gave a short history of the local coordinating organization, and why a coordi-

nator is needed in repeater operation.

Tim has been licensed since 1973 and holds an Extra Class license. He is chief engineer for the Citadel Broadcasting group which owns several radio stations. He is also responsible

for engineering the radio broadcasts for the University of Tennessee sporting events on the VOL Network.

After the meeting, Tim distributed information about SERA and offered membership to any who wished to join.



SERAs Tim Berry, WB4GBI from Knoxville speaks to the Oak Ridge ARC at the April Meeting.

KY School Students Chat With Jim Voss Aboard ISS

-From the ARRL Letter

Youngsters at the Woodford County Middle School in Versailles, Kentucky, showed up for school during their spring break to ask questions of astronaut Jim Voss aboard the International Space Station. The contact April 9 was scheduled through the Amateur Radio on the International Space Station, or ARISS, program. Voss used the space station's NA1SS call sign.

Voss' first outing on Amateur Radio from space as part of the ISS Expedition 2 crew got off to a shaky start because of difficult copy on Voss's part. A solid contact for the southern hemisphere pass via Tony Hutchison, VK5ZAI, in Australia, eventually was established as precious seconds ticked by. As a result, only eight students got to ask their questions. Students were networked or telebridged with Hutchison via a WorldCom telephone connection for the ARISS contact.

During the question-and-answer session, one student asked about research projects. "We've conducted a lot of experiments in space over time," Voss said. "We grow crystals in space that help us to better understand the structure of crystals." He said this research might have applications in developing pharmaceuticals and other products. "We do a lot of things we can't do on Earth by using the microgravity of space," he said, explaining that eliminating gravity makes research a lot easier.

Food is a favorite question topic, and Voss said that half of the crew's meals are Russian cuisine, the other half American. Voss signed off by urging the students to work hard in school and to do their best.

"They enjoyed it," said Woodford County ARC's Steve McFadden, A4TJD, following the contact. "It's been a learning experience for all of us."



Carl Lyster, WA4ADG, Technical Director of the Oak Ridge club repeaters poses with speaker for the night, Tim Berry, WB4GBI, SERA Tennessee Vice-Director and Coordinator.

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From the Moon to the Earth

-By Frank A. Lynch, W4FAL

If you've visited the Graham (NC) Repeater Association (GRA) web site www.evfd.org/gra/, you may have taken the equipment tour of the various GRA repeater linking sites. One thing that quickly becomes apparent from looking at the pictures is that the entire UHF repeater and linking system and most of the 2M repeaters are built around Motorola Mitrek RF decks. A bit of interesting history about the Mitrek . . .

The Mitrek was introduced in 1977 and was the replacement for the Mocom 70 radio. Mocom 70's were great radio's on low band and VHF high band, but the UHF versions of the Mocom 70's had a varactor tripler and lacked performance. In the mid to late 70's UHF was really starting to take off in the market. Motorola's other trunk mount radio offering, the Micro was a high end, many channel, lots of options radio that was really designed for public safety, utility companies, and government users. It was in most cases too expensive for Acme Plumbing that needed a medium to high power trunk mounted radio without a lot of options. The Mitrek filled that need nicely. They also used the same control cables and control head electronics that the old Mocom 70's used.

The Mitrek was the first trunk mount radio that Motorola designed to be water resistant. They could be installed in some pretty harsh environments (like locomotives, garbage trucks aka "maggot buses", fire engines, and the like). Many of the design concepts for the Mitrek came from work that the Motorola Government Electronics Division did on developing the mobile radio for the Lunar Rover that flew to the moon on Apollo 15, 16, and 17 missions. When you look up at the moon at night just think - At each one of those landing sites there's a silent cousin of the Mitrek still sitting up there!

The Mitrek had another interesting and unusual use. The White House Communications Agency operated for years a system known as Echo-Fox Radio System. This system provided communications between Air Force One and "Crown Control" the communications center beneath the White House. This system operated in the UHF spectrum between 406 and 420 MHz. Many of the mobile radio's used in Air Force One, Presidential Limos, and other airborne and land vehicles were Motorola Mitek radios modified by E-Systems, Inc. in Texas.

So here we are 23 years later still talking on radios that have made their way from earth to the moon, to the white house and finally to the Graham Repeater Association

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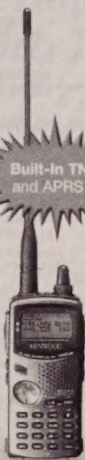
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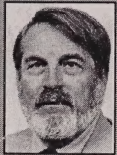
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Congratulations to RARS Exciter editor Gary Pearce, KN4AQ, on his appointment to SERA Journal Assistant Editor. Wayne managed to beat me to the talented Raleigh amateur whom I thought might be willing to take over my NC correspondent duties when I step down.

The Exciter recently featured the SKY-WARN efforts of Denyse Walter, KG4CXR; and husband Jim, KG4FIJ. An impressive 3:35AM report from net control showed 30 stations checked in during the December 12th severe thunderstorms. Denyse also has acti-

vated the Triangle Women's Net on Wednesdays, 9PM at 146.775.

Gary Suddreth, KD4YTU; and Errol Casey, KD4IHW, have revamped the NC ARRL list-serve for those interested in bulletins, announcements and general discussion. Go to the web page at www.ncarrl.org for specifics.

Another web page club is Cary ARC at www.qsl.org/n4nc. Edited by Tim Klimala, KM4LB, one monthly feature is the biography of a special member. New officers for 2001 are President Mike Lewis, WA4KE; VP Ed Stephenson, AB4S; Secretary Lee Swanson, N4AJF. Susan Jones, WA4AKB, is continuing as treasurer, but Tim is planning to step down as editor.

The Greensboro Feed Line is available at www.greensboro.com/hamradio, noted Editor Daryl Brewer, KE4MOH. But I was directed to the www.qsl.net/w4gso page. The group also has a chat page in Yahoo for members. Club activities included communications for the Special Olympics in March, coordinated by

Jon Matlock, KE4IAM.

Tom Forrest, N4GVK, assisted by Duane Blevins, N4PDV, and Roy Smith, N4BYU, has been working to get the new 145.15 repeater on the air. Auto patch facilities were planned for both that and the 440 repeater, sharing one phone line. It is time of cellular commercial phones, it was nice to know someone still is using the ham radio path!

The Guilford AS GASette features two specials, a recipe column "Cooking with GAS" by Tom Hatley, KF4JZD, and a QSL card of the month. Editor Lee Wimbs, W1MBS, fills the pages with little informative items, such as looking at your location from a satellite at www.globexplorer.com. His amateur radio articles range from making a crystal receiver, to using lighting arresters.

One hint he made to write down serial numbers was brought home to me, as I had to hunt through several piles of old receipts to find a serial number to claim a stolen two-meter handi-talkie. To this I add writing down numbers of computer upgrade parts to avoid having to uninstall things like a CD ReWritable drive to determine the model number for a Windows Me driver.

Mecklenburg ARS 'peel and stick' party for the Charlotte Hamfest brought 52 people to prepare 27,300 flyers for the postal mailing. President Shawn Goodin, K4RSG, Jeff Blythe, KA4WYC, John White, WB4NHQ; Bill Turner, W4WNT; and Mary Hunt, N4MH; were seeking help in February, but must have found enough, since I received reports of another successful March activity.

Kinston ARS is an active group, headed by President Jean DuPree, KB4OHX; Editor and Secretary Ron Knapp, W9EF; and Treasurer Gene Rybolt, KA9DGI. VP Leo Mallard, W4KEM, chairs a 'think tank' and had presentations on the GAP antenna and a solid state amplifier at recent meetings.

The Brightleaf ARC helped resident Tom Tomlinson, N4LNT, of the Cypress Glenn Retirement Center get on local nets and serve in time of emergencies. The new antenna donated and installed by Tom Parsons, W4TEP, and Doug Ferris, K4ROK.

Murray Merner, K4MHM, has announced plans to have ham classes on alternate Saturdays this summer. Murray is also trying to have a special event station for the International Festival 2001 in May.

**NC Coverage by Gene Fegely
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Financial Report - by Johnny Wofford, WA4ETE TREASURER - SOUTHEASTERN REPEATER ASSN., INC.

YEAR TO DATE (4-10-00 THROUGH 3-31-01)

Category: Description	3/30/00 6/30/00	6/30/00 9/30/00	9/30/00 12/30/00	1/1/01 3/30/01	Overall Total
INCOME					
S-Adv	4877.5	7118.75	1964.75	4002.6	17963.6
S-Assoc	6761	6556.5	806	6707	20830.5
S-Donation	34	0	0	33	67
S-Full	1455	292.5	6472.5	6435	14655
S-HOTP-Pre-Paid	275	193.77	6.25	124.27	599.29
S-Interest	271.21	115.62	0	0	386.83
S-Miscellaneous Income	0.64	0	0	903.15	903.79
S-N.C.-TAX-Ref	0	886.18	0	462	1348.18
S-RJsales	492	887	27	0	1406
S-Shirts	0	0	68	88.75	156.75
TOTAL INCOME	14166.35	16050.32	9344.5	18755.77	58316.94
EXPENSES					
Misc				-53.53	-53.53
S-Bank Charges	69.99	4.5	8	141.76	224.25
S-Bounced	0	0	8	24	32
S-Jour-Postage	1249.79	1293.62	0	2016.55	4559.96
S-Jour-Print	5970.38	6020.38	6491.49	6713.88	25196.13
S-Lodging	1662.89	0	0	2257	3919.89
S-Mail Serv.	303.44	302.15	339.12	321.74	1266.45
S-Office					0
S-Data Sheep Printing				186.04	186.04
S-Office Other (computer)	1063.6	155.16	270.31	853.29	2342.36
S-Phone:					0
S-ISP	0	0	21.95	196.95	218.9
S-Journal's Internet	0	83.8	21.95	0	105.75
S-Long Distance	0	35.69	37.79	28.94	102.42
S-Watts	70.77	85.66	0	131.87	288.3
S-Phone-Other	235.15	336.81	202.9	391.54	1166.4
TOTAL S-Phone	305.92	541.96	284.59	749.3	1881.77
S-Postage	12	66.65	269.22	96.19	444.06
S-Promotional	191.76	7.99	391.91	0	591.66
S-Repair	2878.45	49.98	0	92.22	3020.65
S-Return Check				20	20
S-Salary	0	179.23	0	0	179.23
S-Shipping	0	55.75	129	0	184.75
S-Tax	292.45	289.97	309	329.36	1220.78
S-Travel	216.83	90.17	0	7.25	314.25
TOTAL EXPENSES	14199.22	9057.51	8500.64	13755.05	45512.42
TOTAL INCOME - EXPENSES	-32.87	6992.81	834.86	5000.72	12795.52

Current Account Balances

Bank Account	\$14,239.38
CD # 1	\$14,060.00
CD # 2	\$10,000.00
CD # 3	\$6,141.78
Savings Account	\$9,055.13
Total Resources	\$53,436.29

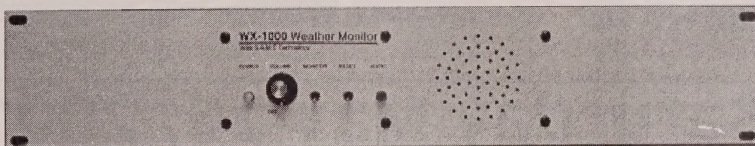
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WX-1000 Digital Weather Receiver

The NOAA Weather Radio Network broadcasts National Weather Service warnings, watches, forecasts and other hazard information 24 hours a day. With so many unsettling weather conditions, don't you think its time to provide timely weather alerts for your repeater group?

Specific Area Message Decoder

A digital decoder responds to Specific Area Message Encoded (SAME) alerts transmitted by the NOAA weather station located in your area. Select your county code and the type of alert. Select warnings and or watches.



Voice Synthesizer Alert Message

Imbedded in the alert information packet is the time the warning or watch is in effect. The voice synthesizer will periodically key-up the repeater transmitter and announce the nature of the alert. "Severe Thunderstorm Watch" "Tornado Warning" "Winter Storm Warning" "Flash Flood Watch" "Hazard Material Warning" "Avalanche Watch" "Law Enforcement Warning" and "Civil Danger Watch" are just a few of the voice synthesizer announcements.

Alert Message Transmit Timing

At the conclusion of an alert, a termination packet turns the transmitter off.

Repeater Interface

The WX-1000 has been designed to easily interface to your repeater. A minimum of four connections is all that is required.

Weather Enable Input

Ground this input to provide weather reports on demand.

Ordering Information

WX-1000 Digital Weather Receiver, With Windows Configuration Program: **\$399.00.**

Weather Alert Log

The WX-1000 stores the date, time and type of alert in memory. Use the RS-232 port and the configuration program to download the log.

Alert Start Logic Output

This output provides a TTL logic high when a weather alert is received. It can be used to set off an external alarm or trigger the controller to execute a macro or load a memory save.

Alert Stop Logic Output

Included in the digital packet is the length of the alert. The WX-1000 generates a stop logic output when the time period has expired. Use this output to reload a normal memory save.

Weather Disable Input

Ground this input to prevent future alerts once a sky warn net is activated.

Weather Data Output

The WX-1000 provides a raw data output to an alphanumeric pager or a computer based alarm system.

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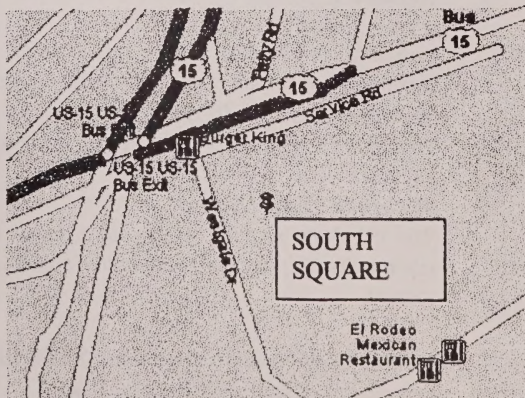
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Cutesy is as Cutesy Does

Among the very first things a Ham does when he gets a new license is to come up with some catchy phrase that his call sign stands for. You see things like "Very Sexy Man" or "Carolina's New Adonis". Mine was a problem (AA4YW) because the obvious phrase is "Young Woman" which misses on both counts. Lately, consistent with my argumentative nature, I have been contemplating "Act Awful for You're Wrong", but maybe that's not a good idea. What I actually do is settle for the standard phonetics, "Yankee Whiskey" which may be catchy enough, especially when I explain that the only good whiskey in the United States is made in either Kentucky or Tennessee.

The purpose of the catchy phrase is, of course, to make the call sign easier to remember. After you have given an acquaintance your call and you are sure he has understood it, then you tell him the catchy phrase and then both chuckle and he has a better chance of remembering it. I think this a good idea and it should be done at Hamfests, or sitting around over coffee, or in the middle of a relaxed QSO. Sometimes a catch phrase is used to clarify a spoken call sign when it has been poorly understood. Once in a while this works, but usually it does not.

Particularly, the catchy phrase should never be used instead of standard phonetics when identifying yourself on the air, either checking into a net or starting a QSO. This, in my mind, is worse than using cutesy phonetics which I hold to be abominable.

Why would anyone choose to say "Alabama" rather than "Alpha", or "Zanzibar" rather than "Zulu"? You hear a lot of "Nancy" for "November" and "Germany" for "Golf" and these are among the most benign. They get worse, very much worse, on the more casual nets. Do these fellows think they are scoring points for originality? Or being cute? Or being different? They can't believe that these words are easier to understand. The listener is expecting the particular words that form the Standard Phonetic alphabet, and when he hears something that is not in that set it takes an extra little bit of translation to make it understood. Since many of those who perpetrate this nonsense are known to be nice guys with at least some redeeming qualities who probably, under normal circumstances, don't beat their wives, I have tried to understand their position.

The simplest explanation is that these fellows have never learned the Standard Phonetic Alphabet. They probably know their street address, perhaps their e-mail address, and maybe who is Governor of their state, but the phonetic alphabet just wasn't high enough on their list of important things to know. One of the great minds of the twentieth century (maybe Einstein) was asked for his phone number and he replied that he didn't know it. His explanation was, "I never call myself."

While conversing with hams at club meetings and the like I have been surprised by how many do not know the Standard Phonetic

Alphabet. I suppose that when the time arises that you must supply some sort of phonetics for your call sign, and you don't know standard phonetics, you feel that it's alright to just make something up. Not really. The standard set is not that hard to learn and is available literally everywhere.

Then there are those who just don't want to. They value their independence and hold in contempt any who would tell them how they should behave or what they should say. These are the ones who know their rights and will not be imposed upon. They have no tolerance for those that cause QRM to their QSOs nor for those who whimper because they think they are being interfered with. When the FCC says that no one has exclusive rights to a particular frequency that means those other guys, particularly the traffic nets, just have to put up with them. If they want to say "Willie" instead of "Whiskey" nobody better try to tell them they can't. That's cool. We can only hope that in the event of an emergency or when anything of importance is happening these fellows are watching football and stay out of the way. For something like the NTS or ARES to be effective there must be some minimum level of discipline, and those who find this a threat should concentrate on aspects of the hobby more suited to their free expression.

And finally there are those who may know the Standard Phonetic Alphabet, but can't imagine why it makes that much difference. We're here to have fun and things are going along pretty well so why make a big deal out of substituting a few cutesy words for phonetic spelling? I could talk about this for volumes and volumes. A tourist who was obviously lost approached a policeman in New York City and ask, "How do I get to Carnegie Hall?" The policeman replied simply, "Practice, practice, practice..." I think most of us feel that being an amateur means being capable of fulfilling a useful role when called upon in an emergency. Many of us participate to some extent in either NTS or ARES.

It isn't enough just to know what you are supposed to do, it is necessary to develop the skill to do it, and, further, to do it automatically. In an emergency the time required to review operating procedure is time lost.

When propagation is poor and the stress levels are high good performance is most needed and the habits formed in routine operation then tell.

Back to call signs. I am proud of mine, and when I make a contact or check into a net I like for my call sign to be understood and for folks to know who I am. I thought everybody did. Yet most of the time when call signs are given it's fast and sloppy. Many times during QSOs it seems that the parties are reluctantly complying with the FCC requirement to identify, so they quickly mouth something hoping that no one will really listen. The checks on voice nets, particularly on 2 meters, come fast and indistinctly. It usually turns out alright because the net control recognizes their voice and from the little he hears can reconstruct the call sign. I admit to a hearing loss and presume that I have more trouble than most people. Consolation is frequently there, however, as I find that many have difficulty with unfamiliar checkins.

I have particular trouble with the prefixes that run from KA through KG.

If the guy says "Kaye 4" it might be K4, or KA4, or KE4. If he says "Kayedg 4" (you've never heard that?) it could be any of the above plus any of the rest of them. I keep thinking how easy it would be to say "Kilo bravo 4" and make it clear. Incidentally, the reason I always identify as "alpha alpha .." is because the first 837 times I identified as "aigh aigh..." my contact called me "kaye aigh...". And the suffixes are equally confusing. It isn't unusual for a weak mobile station to check into our local net and for control to make three or four passes, sometimes with relays, before the call sign is understood. During this it rarely occurs to anyone to use the phonetic alphabet which would make it easy. On the bright side, however, during these occasions it is even rarer for someone to try to identify with a cutesy catchy phrase.

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Kentucky Happenings

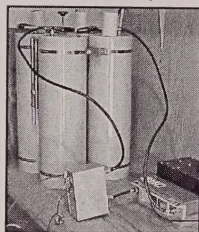
FRED JONES
WA4SWF
 wa4swf@foothills.net
 511 LACKEY AVENUE
 LOUISA, KY 41230



The Louisa 147.390 repeater, tone accessed at 127.3 hz., has been really been

working great with the new antenna and duplexers. The radio is a GE Master II with Cat-500 controller running it. It has battery backup on it and runs an output of 30 watts.

The machine covers Lawrence County really well. Gary Wellman, N8QCW and myself have been



New duplexers and the N8QCW Louisa repeater.

All of the emergency agencies in this area are on separate frequencies and in these mountains it is very hard for them to communicate as effective as our many amateur repeaters do. I explained to our County Judge that the FCC controls us and we are officially-coordinated by the local coordination organization for Kentucky, SERA. We recently had a State Wide Weather Drill for the area and we got to show the local official just how communications can be done via amateur radio. From the Lawrence County Court House, I could hit the 145.190 MHz., repeater KB4SQI in Salyersville. Ed Caudill, KB4SQI, District 9 DEC, was set up at the National Guard Armory in Prestonsburg where the Department of Emergency Management is located. We demonstrated to the county officials how we could communicate direct into the weather-affected areas, the courthouse, the EOC and the E911 center covering some 60 miles from each furthest office.

Kentucky ARRL members elected a new ARRL Section Manager in February. John Meyers, N4GNL, of Butler took office on April 1. Meyers has retained much of the Section Leadership, as well as, brought a few new faces into the Section Cabinet. Outgoing

Section Manager, Bill Uschan, K4MIS will shift to the position of Assistant Section Manager.

Cabinet Members continuing their tenure serving Amateur Radio interests in Kentucky include:

Pat Spencer, KD4PWL, Assistant Section Manager, Lexington; Craig Still, N4CQR, Assistant Section Manager, Berea; Bill Uschan, K4MIS, Assistant Section Manager, Frankfort; Ron Dodson, KA4MAP, Section Emergency Coordinator, Webster; Bill Burger, WB4KY, State Government Liaison, Frankfort; Steve McCallum, W2ZBY, Public Information Coordinator, Lexington and Bill Hillyard, K4LRX, Official Observer Coordinator Henderson.

New faces joining the Section Cabinet include: William Call, KJ4W, Assistant Section Manager, Benton; Bob Drake, N4VGI, Assistant Section Manager, Maysville; Marie East, KE4MZP, Affiliated Club Coordinator, Maysville; Jim Hicks, WB4CTX, Assistant Section Manager, Williamsburg; Fred Jones, WA4SWF, Assistant Section Manager, Louisa; Bill Slayman, KE4JFS, Section Traffic Manager, Benton; Joe Pollack, K4ULW, Technical Coordinator, Louisville; and Tom L. Lykins, K4LID, Silent Key Notification; 3.960 Email Newsletter, Louisa.

Information regarding all of the amateurs who are serving in leadership positions can be found on the KY ARRL Web Site: www.qsl.net/kd4pwl/arrl/index.html.

Please do not hesitate to contact any of these volunteers should you need assistance with your amateur radio programs.

The Louisa Hamfest is scheduled for May 5th. We are expecting to again have a very nice get-together. One big event, the ARES Forum begins at 10:00 a.m. with Gary Johnston, Great Lakes Division Vice Director, John Meyers, KY-SM, Ron Dodson, KY-SEC, Ed Caudill, DEC, Paul Conley, EC, Ollie Rinehart, WV-SM, Tom Lykins, Silent Keys Coordinator, and Fred Jones, KY SERA News.

Amateur Radio testing by Bill Eldridge KD4ZDE, will have his WCARS Testing Team here, it starts at 9:00 a.m. sharp.

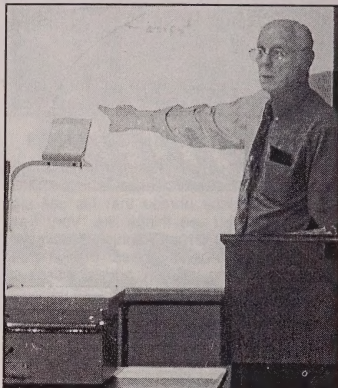
I will be leading discussions about getting the repeaters in our District No. 9, a 10 county area setup for linking. We have contacted Jerry Shouse KY-SERA Director and Alex Hendrix WV-Assist. Director, for help on coordination of the frequencies.

If you want to see The Big Sandy Amateur Radio Hamfest website: www.bsarc.org.

Click any of the icons on the screen they will link you to that site. I feel SERA probably has one of the most informative websites of any coordination organization in the country. With their 30 years of experience, they seem to answer just about any question you might have, right there just a click away.

John Rickard Offers A Lifetime Devoted to Service and Teaching

-By Rickey L. Brown, KE4CES



John Rickard, KJ4CA is right at home before an audience as he teaches, demonstrates and lectures about ham radio and electronics.

-Photo Submitted by Rickey L. Brown

When amateurs in West Tennessee think about instruction, teaching, electronics, and amateur radio, one name always comes to mind, John Rickard, KJ4CA of Henderson.

Rickard, a physics and medical electronics instructor at Freed-Hardeman University in Henderson, has spent a lifetime of service to the public and sharing his knowledge with his fellow man.

He is best known for teaching amateur radio classes at the college but this is just a small part of his life. His career includes service in the United States Navy in the 40's; working with radar, communications and other ship-board electronics systems. Twenty years at Cape Canaveral as an engineer in missile and rocket systems, then eight years with the Federal Aviation Administration, working with radar, instrument Landing Systems, and other radio aids to air navigations.

Then ten years at Arnold Engineering Development Center as the Chief Engineer for constructing a large jet engine test facility.

He has also spent over ten years teaching engineering physics, control systems theory, and medical electronics in the university environment, including the University of Tennessee Space Institute at Freed-Hardeman University. Locally John serves as Chief Engineer for WFHC, a 10.5 kW FM station and for TV-40, a cable television station. He also maintains and calibrates the instruments in FHU's labs and their major PA systems.

Being an active amateur, holding an Extra Class License, John has been a guest lecturer and speaker to the ham radio clubs throughout the West Tennessee area for many years. His instruction and sharing of his knowledge is a wonderful example of the true spirit of "amateur radio."

The Oak Ridge Hamfest

Saturday, October 13, 2001

9:00 AM to 3:00 PM

At The Fraternal Order of Eagles

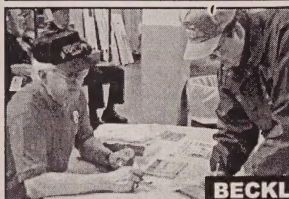
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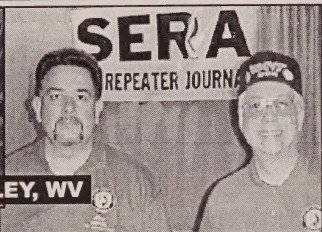
SERA At The Hamfests



BECKLEY, WV



Beckley, WV - SERA was there. Upper right: Alex and Don. Upper photo, Don takes a membership, and just above, Alex checks a repeater's status on his laptop. Both guys reported good response in new memberships obtained.



GREENWOOD, SC

Another January show for SERA as Roger Gregory, W4RWG sits at the booth, greeting folks at Greenwood.

Charlotte, "the big show" and SERA was there. Frank Lynch, W4FAL and staff added many new SERA members. Right: Show PA announcers Carol Dixon, KA4WUR and Beverly Boyd, KE4EHB sit with Jerry Malin, and who was liaison from the committee info booth. Lower Rt: Frank takes a membership, far right: Frank and Bob, K4HA, pose at SERA booth.

-Chit. photos - D. Bower

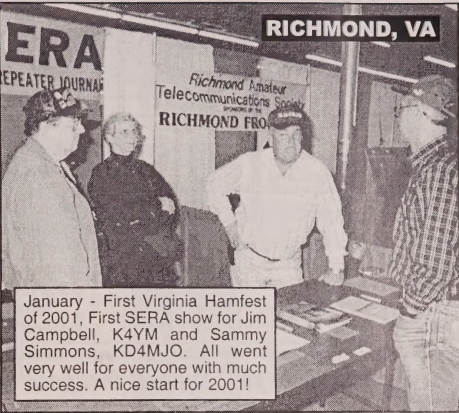


CHARLOTTE, NC



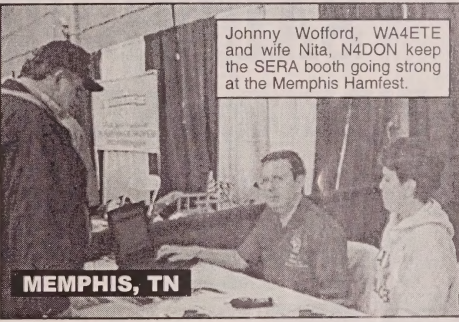
JACKSON, MS

Steve Grantham, N5DWU mans the SERA booth at the Jackson hamfest. At right, a shot of the main show area.



RICHMOND, VA

January - First Virginia Hamfest of 2001, First SERA show for Jim Campbell, K4YM and Sammy Simmons, KD4MJO. All went very well for everyone with much success. A nice start for 2001!



MEMPHIS, TN

Johnny Wofford, WA4ETE and wife Nita, N4DON keep the SERA booth going strong at the Memphis Hamfest.

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Transmission Line

In this issue of the Repeater Workshop, we will examine in detail the various types of transmission line that is used to build a repeater system. Probably the most common type of

transmission line for runs up a tower to the antenna is semiflexible cable. Heliac manufactured by Andrew, Inc and has been around for almost 40 years. Heliac is a semiflexible RF transmission line and has a corrugated outer conductor and an inner conductor that may be solid copper, a copper tube, or corrugated copper depending on the size of the cable. Other vendors may use an extruded tube of aluminum with a copper center conductor.

Heliac is manufactured with characteristic impedances of 50 ohms and 75 ohms. Of course practically all applications for repeaters make use of 50 ohm.

Heliac is also available in both foam dielectric and air dielectric. The foam

dielectric is certainly the most common for amateur usage and doesn't require pressurization of the line to prevent condensation from occurring. Foam cables are available in sizes from 1/4-inch all the way up to 2 1/4 inches. The most popular sizes are 1/2 inch, 7/8 inch, and 1 5/8 inch.

Heliac is available with a variety of easily installed connector interfaces, the most common ones, being N female, and SO-239. If you have a choice, I recommend that you put N-female on your cables. More and more commercial antennas are coming equipped with N-males as are much of the RF gear at the equipment end. Note that connector assemblies from one vendor may not be suitable for use with other vendor's products.

The loss for all of these cables varies with frequency and size of the cable. As one would expect, the loss increases with frequency and the loss decreases as the size of the cable increases (the cost increases too!). In general 1/2 inch is suitable for 10M, 6M runs up to about 250 ft, and 2M runs to about 150 ft. Beyond these lengths the loss becomes more than 1 dB. 7/8 inch is suitable for 6M runs over 250 ft, 2M runs to perhaps 300 ft, and 70cm runs to about 150 ft. 1 5/8 allows for low loss runs at 70cm of 300 to 400 ft. Of course you can always use a smaller cable for a long run, you'll just have greater loss. By the same token, there's no reason you can't use large cable for a short run (especially if it's free).

Hams can often find used Heliac and connectors at low cost. I've personally removed over 2000 ft of various sizes of Heliac from sites where towers had been taken down. The site owners were happy for me to take it off their hands. They didn't want to reuse 20-year-old cable and because of the PVC jacket the stuff has little scrap value (even though it's made of copper).

For runs from the bottom of the tower to the equipment cabinets, you'll probably want to use something small in the 1/2 inch range. This smaller cable has a bending radius that makes it easier to handle with getting in and out of the building. For situations where even the bending radius of this cable (5 inches) can be a problem, one can use super flex or the foil jacketed flex cables. Super flex is made by Andrew and is similar in construction to Heliac but has a different pitch on the outer corrugations making it more flexible. Companies like Times Microwave also makes flexible cables suitable for short interconnecting cables.

Whenever making interconnect cable to connect to a repeater duplexer, make sure that you use a cable with 100% shielding such as super flex, or the LMR type cables. Do not use RG-8 as it will become the limiting factor in your duplexer performance.

Speaking of duplexers, that will be the topic for next issue, see you there.

We Appreciate your Support last year - Come Join us in 2001!

SALISBURY (NC) FIRECRACKER HAMFEST July 7, 2001 8:00 AM 'til Salisbury Civic Center

From I-85, Take Exit 76B (Salisbury). Turn right at ramp intersection on East Innes Street Then Left on S. Boundary Street (Capt D's/McDonalds Intersection) - 2 Blocks on Left to Conv. Center

Pre-Registration \$4.00 - at Door \$5.00

Flea Market space: Admission with Ticket

Indoor tables: \$5.00 each as long as they last:
(Dealer setup 3:00 PM to 9:00 PM Friday and 7:00 AM Saturday)

SPECIAL: FREE Coffee
Also 2 Hot dogs and Drink \$1.50

Walk-in W4VEC VEC Volunteer Exams

For Hamfest info, tickets, table information, exams:

Mail: Rowan ARS, P.O. Box 593, Salisbury, NC 28145 - Visit Our Web Site: www.qsl.net/w4exu

Phone: Jim Morris, KA4MPP (704) 278-4960 or Ralph Brown, WB4AQK (704) 636-5902

Email: rbrown@salisbury.net

Talk-In 146.73 (W4EXU) tone 94.8 or 146.52 Simplex

Salisbury Hamfest Advanced Ticket/Table Order Form

Name _____ Call _____

Address _____

City _____ State _____ Zip _____

Telephone (_____) _____

E-Mail _____

Include SASE with Table and Ticket orders. Must be received by June 20. Make Checks Payable to Rowan ARS. Mail to Rowan ARS, P.O. Box 593, Salisbury, NC 28145

Tickets @ \$4.00 Ea

Tables @ \$5.00 Ea

Outside Flea Market Space
Free With Admission Ticket

Amount Enclosed:

\$ _____

ALINCO DUAL BAND MOBILES

The DR-605 - inexpensive yet fully packed with the features most Amateurs look for. Comes with 9600 bps Packet port, easy to program, with 50 memories plus a call channel, CTCSS encode standard. Optional EDX-24U adds CTCSS decode and tone search features. Cross Band repeat mode.

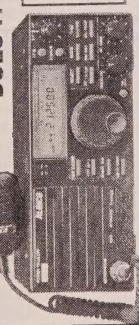
DR-605
"1Q"
\$339.95



DR-605TQ 2/70 DUAL BAND RADIO.
Loaded! DR-610TQ - ONLY \$429.95

HF TRANSCIVER - DX-77T

**THE DESKTOP
HF XCVR THAT
DOES IT ALL!**



DX-77T HF transceiver, with 150 KHz to 30 MHz GC rvr, xmits 100W on HF 10 thru 160M and 6M, 100 memory channels, 9.67(w)x3.7(h)x 8.98(d) and weighs slightly over 8-lbs. All mode noise blanker, all mode squelch, quick offset, RTT, HiLo power controls. There are two VFOs more!

DX-77T PRICE - \$699.95

IRI'S TWO METER TRANSCEIVERS

The Alinco DR-135T - 2M Voice/Data FM Transceiver
DR-235T for 222 MHz. and DR-435 for 440 MHz.



DR-135T/TPG
WITH TNC **\$269.95**
NO TNC **\$169.95**
DR-235T/TPG - \$239.95
DR-435T/TPG - \$259.95

The DR-135 has 50W (50/10/5W) CTCSS Encode and Decode, DCS, 100 Memories, plus 10 autodialer memories & Multiple Scan Modes. The DR-135 has Optional Packet & APRS, plus Cable clone, backlit display, 1000 Hz Amplitude Modulation, 1000 Hz Frequency Modulation. Also has GPS & computer connections. DR-235/435 sold without TNC.

POWER SUPPLIES

DM-330MV
30A Solid State
Switching - \$179.95

Variable voltage/current, metered, protections, several outputs. 30A cont.

DM-340MVT (Transformer, Type) - \$169.95

Other Value-Priced Alincos

DR-M06TH - 6M Xcvr . . . \$249.95
DR-M03SX - 10M Xcvr . . . \$164.95
DJ-S46 - FRS Band H/T . . . \$84.95
EDX-2-Auto. HF Tuner . . . \$299.00
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DUAL BAND HANDHELDS



DJ-V5TH 5W 2/70 H/T

A new Star performer in the Alinco Family. Has 200 memories, CTCSS enc/dec, accepts up to 13.8VDC, 4 scan modes RX 76 to 999.995 MHz, DSQ, and alpha-numeric readout. Only 2.2oz. 3.81x 3.58 in at 11 oz. 3 pwr. Settings to 5V.



5-WATTS
IRI PRICED
*Cellular Blocked
\$209.95

DJ-G5TH 5W 2/70 H/T

The DJ-G5 5W H/T, is fully loaded with Channel Scope, 80 memories for each band, 3 Scan ranges, large illuminated display and keypad programmable. Includes CTCSS encode/decode, 2nd PTT for Lo power, has dual VFOs each band.



5-WATTS
IRI PRICED
\$279.95

2M-220-440 H/T

2-Meters
DJ-S11T

\$79.95



70 cm
DJ-S41T

\$79.95



Unique - The New
DJ-V5TDC
and
DJ-V5TDCH

Amazing looking little radios. Alinco took the DJ-V5TH and put a CLEAR case on it. The TDC model has a clear case with DRY CELL battery. The TOCH is clear case with Black 5W Battery and a clear dry cell case.

DJ-V5TDCH
\$229.95

DJ-V5TDC
\$179.95

Wow! Credit Card Sized
Dual 2/70 H/T - DJ-C5T



\$149.95

The fabulous DJ-C5 has 50 memories, 80 CTCSS enc/dec. Has long lasting Lithium-ion battery and detachable flex antenna. Snap-in charger, recharges in 2 hours. See this one and Others At IRI!

NEW!



2-Meters
DJ-180TH

\$136.95



220 MHz
DJ-280TH

\$169.95



DJ-496T
70cm

\$149.95

DJ-196 5W 2M & DJ-436 4W 70cm H/Ts have 40 mem., direct DC input, S-Meter, autodialer, theft alarm, CTCSS & DCS encs.

**PRICES ON THIS AD WERE
CURRENT AT TIME OF PRINTING
SUGGEST CALL TO CONFIRM PRICES.**

DJ-X2T
SCANNER
Credit Card Sized
Multi-Mode Scanner
700 Memories
\$219.95

DJ-X2000T
Intelligent Receiver
With EBP37N
And EDC88

\$499.95

DJ-X10
Handheld
Scanning Receiver
150 KHz thru 2 GHz.

\$309.95

Prices Subject to change without notice or obligation. NC residents add 6% sales tax. We accept most any Credit Card. For more information on our products - see our Web Site! Call or email us for a free brochure on all our Alinco products, with pricing.

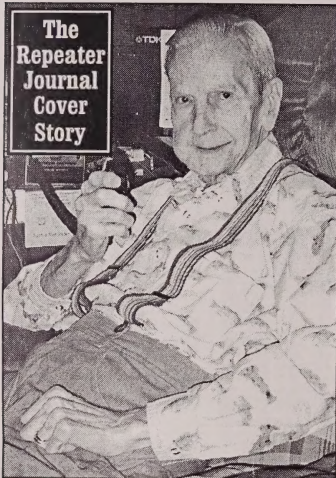
Tennessee News

From the East



Bob Gault, KD4NEC
221 Cedarwood Trail
Cleveland, TN 37312
bgault@wingnet.net

One of Tennessee's newest hams
Is also probably one of its oldest!!



OLIVER J. KIRBY, K4QJK

After his 82nd birthday, Oliver J. Kirby, who had been listening to conversations on a scanner, decided to go after his amateur radio ticket. So in December 2000, Kirby attended a testing session in Oak Ridge and passed the Technician test on his first try. He was subsequently issued the call sign, N4QJK.

But interest in communications began many years ago during World War II. As a young man Kirby attended radio school in 1941 in Kansas City. That training took him into the Army as a radio operator for General Patton. That lasted only a short while as he was called up in the first wave beach landing at Casablanca North Africa. Kirby received serious wounds during his military service and he was taken prisoner by German soldiers.

According to Jack Burns, KD4BTY, Kirby has undergone numerous operations during

the many years he has had to spend in hospitals. He is 100 percent disabled, but has no regrets about serving for his country.

Kirby is now brushing up on Morse code. Part of his Army training 60 years ago involved Morse code, which was then integral to communications. He is practicing on the same keyer he used to learn the code.

You can find him most anytime on Knoxville's 146.625 repeater. He enjoys his newfound hobby and making new friends.

Good luck Oliver - on your code test.

More than 50 hams turned out for the second annual Cherokee Trails International Rally 2001, a road race in March in the Cherokee National Forest. A ham radio safety net was held all three days of the event, resulting in hundreds of man hours by the volunteer operators.

Chris Palmgren, W4ORS, said the net was successful in providing a safe and enjoyable atmosphere for the public during the event. To arrange such a large undertaking is not possible by a single organization, but required many clubs to join together with hams from out-of-state who in some cases traveled hundreds of miles to attend.

Clubs cited by Palmgren for their assistance include the Ocoee Amateur Radio Society, Chattanooga Amateur Radio Club, Cleveland Amateur Radio Club, McMinn County Amateur Radio Club, Meigs County Amateur Radio Club, Monroe County Amateur Radio Club, Cohutta Georgia Amateur Radio Society and the Tri-States Amateur Radio Club.

Net operations started on Thursday, March 15th and ran through Saturday, March 17th. The group utilized several repeaters for communications after incurring difficulty working some machines from the rural, mountain locations personnel were stationed at.

Palmgren said the majority of ham radio volunteers enjoyed their time in the forest providing communications for the event and are looking forward to returning next year. This year's rally was the first step into acquiring the world championship to the Cherokee National Forest. Charlie Wheaton, KJ4RC, rode in one of the opening cars, traveling at race speeds around sharp turns and along drop-offs. Organizers are hoping to expand again in 2002.

In January, The Cleveland Amateur Radio Club launched its new newsletter, "The Hambone." That issue detailed some of the club's successes in 2000 and a peak at what's ahead this year. Since that issue, the club has been declared a tax exempt organization by the Internal Revenue Service, receiving designation as a 501 (c) (3).

Howard Waldron can be seen throughout East Tennessee giving his basic and intermediate seminars on weather spotting. Waldron is the Warning Coordination Meteorologist at the Morristown office of the National Weather Service. One of his areas of responsibility is training hams to be reliable weather spotters. You can find out when he'll be in your area on Morristown's internet site.

The McMinn County Club meets on the second Monday each month at Athens City hall. You can check out their rag chewers net on 28.587 week nights between 8 and 10 p.m.

The University of Tennessee Amateur Radio Club has been around since 1947. You can catch up on activities by checking out their on-line newsletter, "the Vol DX" It goes without saying their two favorite colors are orange and white.

The Monroe County Amateur Radio Club conducts a weekly net on their 147.315 machine on Tellico Mountain. Their nets are held on Monday nights at 8 p.m. with a tone of 141.3. Monthly meetings are at the Red Cross building in Madisonville on the third Tuesday at 8 p.m.

Officers serving the Bristol Tennessee-Virginia Amateur Radio Club are Dale Barker KT4SQ, president; Don Gilbert W4EHL, vice president; Charles Whicker K4ITV, Treasurer; and Charles Greever, KG4KCV, secretary.

The East Tennessee DX Society meets each month in Knoxville. If you're interested in learning more about HF, VHF and UHF DX attend one of their meetings on the third Monday at Barnhills Restaurant on Kingston Pike. Dinner begins at 6:15 and the meeting follows at 7 p.m..

The Johnson City Amateur Radio Association is collecting information about their history. They have posted quite a bit of information on their web site going back to 1957. But they believe the club could date back to the thirties.

Don't forget the Knoxville hamfest on Saturday, June 9th. A sneak preview is being held on Friday night, June 8th but admission is limited to the first 100 ticket holders. RACK has big plans for this years hamfest so make plans now to attend!

The last weekend of September has been chosen for the 2nd Ten-Tec Hamfest, which may be turning out to be one of the best attended shows around our area.

Last year's attendance topped 1,000 as hams traveled from 21 states to see Ten-Tec's factory in Sevierville, Tennessee. They enjoyed demonstrations of equipment and tours to see how ham gear comes together.

Mark your calendar now for Friday September 28 or Saturday September 29, 2001. Sevierville (that's Dolly's home) is located near the Smoky Mountains and is only a few miles from the outlet malls and dinner theaters of Pigeon Forge, a popular tourist destination.

CALLING ALL CLUBS!! If you would like to see your activities publicized in the Journal it's as simple as putting me on your mailing list or sending an e-mail to my box. Any help is appreciated.

Till next time, 73's and keep the info and newsletters coming coming!!

-Bob

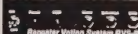


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THE SERA OFFICIAL REPEATER INDEX

FOR: **GEORGIA ■ KENTUCKY ■ MISSISSIPPI ■ NORTH CAROLINA**
■ SOUTH CAROLINA ■ TENNESSEE ■ VIRGINIA ■ WEST VIRGINIA

IMPORTANT NOTICE: The SERA Repeater Journal is Copyright 2001 by the South-Eastern Repeater Association, Inc., the officially recognized Amateur Coordinating Organization for Virginia, North Carolina, South Carolina, Kentucky, West Virginia, Tennessee, Georgia and Mississippi.

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SERA will not be responsible for incorrect or omitted listings. The responsibility of correct listings is that of the actual repeater owner or sponsor. SERA makes every effort to keep the index as accurate as possible with information provided. The SERA Repeater Journal repeats listings contain certain repeaters which are NOT or have not been coordinated by SERA, or are not operating according to recognized frequency utilization plans. SERA does not necessarily condone, or recognize such repeaters as being legal or illegal. They are listed in our indexes primarily to keep our readers informed of all repeaters known in the areas served by SERA.

Some repeaters allow voice as well as other functions on their machine. Operators should check with owners for additional information about what is allowed, and what features are available. Digital Repeater listings with normal input/output (pairs) are listed in the regular FM repeater index. Digital systems operating simplex are not coordinated by SERA and are not on our repeater lists. For tone-accessed repeaters, the codes column contains the tone or access code for those repeaters which the owner or trustee has given us written permission to publish. They are in the By-State, and By-Frequency listings.

Entries with "P" in front of city indicates repeaters added to this index that have not been coordinated through the local SERA state coordinator. Owners may work with their coordinator to get this indicator removed. Repeater frequencies which have been coordinated but may not yet be on the air are listed with "PROP" showing in the codes column. Unknown listings are in a separate area.

Repeater owners are reminded to contact their local Frequency coordinator (Director) for assistance in coordination, changes in their listings, or any other requirements. There is no charge. The annual SERA repeater datasheet, sent to all known repeater operators, should be accurately updated each year and returned to SERA.

SERA RECOMMENDED FM VOICE SIMPLEX

10 Meters:	29.600#								
6 Meters:	52.490	52.525#							
2 Meters:	146.400*	146.415*	146.430*	146.445*	146.460*	146.475*	146.490*		
	146.505*	146.520#	145.535	146.550	146.565	146.580	146.595		
	147.405*	147.420*	147.435*	147.450*	147.465*	147.480*	147.495*		
	147.510	147.525	147.540	147.555	147.570	147.585			
220 MHz:	223.400	223.420	223.440	223.460	223.480	223.500#	223.520		
	223.540	223.560	223.580	223.600	223.620	223.640			
440 MHz:	445.825	445.875	445.900	445.925	445.950	445.975	446.000#		
	446.025	446.050	446.075	446.100	446.125	446.150 (Not all listed)			

* Permitted for Voice Simplex use unless operation would cause interference to repeater inputs. Be aware that SERA coordinates some of these frequencies as repeater inputs in some areas.
 # - Designated National Simplex Frequencies.

SERA RECOMMENDED DIGITAL/PACKET SIMPLEX

2 Meters:	144.910	144.930	144.950	144.970	144.990	145.010	145.030
	145.050	145.070	145.090	145.510	145.530	145.550	145.570
	145.590	145.610	145.630	145.650	145.670	145.690	145.710
	145.730	145.750	145.770	145.790			
220 MHz:	223.660	223.680	223.700	223.720	223.740	223.760	223.780
	223.800	223.820	223.840	223.860	223.880	223.900	223.920
440 MHz:	440.9125	440.9250	440.9375	440.9500	440.9625	440.9750	440.9875
	441.0000	441.0125	441.0375	441.0500	441.0625	441.0750	441.0875
	441.1000	441.1125	441.1375	441.1500	441.1625	441.1750	

NOTE: Digital operators are reminded to check with their local Digital/Packet Societies or organizations as to which digital/packet channels are available for various digital usage in their particular area. Some channels are for exclusive use of LAN or BBS, etc. usage.

SERA JOURNAL REPEATER LISTINGS BY STATE - BY CITY

Listings Correct as of April 15th 2001

PLEASE NOTE: CTCSS Tone Frequencies are listed for repeaters only if the repeater sponsors agree they be listed. Tone access listing does not indicate a closed repeater.

GEORGIA

10 METERS

DALTON	N4BZJ	29.680	
MONROE	K04XL	29.620	
VALDOSTA	KB0Y	29.680	PROP
WARNER ROBINS	WR4MG	29.660	

6 METERS

ATL/MARIETTA	KD4DKW	53.090	T118.8
ATLANTA	K5WZY	53.150	PROP
AUGUSTA	W4WTA	53.030	
BISKEY MT.	KC4JNN	53.050	T100.0
BOLINGBROKE	KR4OL	53.430	
CARTERSVILLE	WB4AEG	53.070	T123.0
CARTERSVILLE	WD4OVN	53.450	UNCOR
CONYERS	WB4JEH	51.550	UNCOR
CONYERS	WB4JEH	51.550	T151.4
CUMMING	W44YNZ	51.700	UNCOR
DALTON	N4BZJ	53.130	
DECATUR	K4WJFM	53.390	T
HIWASSEE	K4CQBQ	53.270	186.2
IVEY/MACON	K4YC	53.730	188.5
KINGSLAND	KC5BMJ	53.940	182.5
LAKE PARK	K80Y	51.890	T141.3
LAWRENCEVILLE	W4GR	53.110	82.5
LULA	WB4HJG	53.890	T79.2
MARIETTA	N1KDO	53.210	T79.7
MARIETTA	KF4BMG	53.250	T79.7
#PINE LOG MT.	K4PLM	53.290	UNCOR
#ROSWELL	W44YNZ	53.010	UNCOR
WARNER ROBINS	WR4MG	53.790	
WATKINSVILLE	KD4AOZ	53.570	T123.0

2 METERS

ADAIRSVILLE	WD4IWL	146.685	
ALBANY	W4MM	146.700	UNCOR
ALBANY	W4MM	146.730	
ALBANY	W4MM	146.820	
ALLENHURST	KF4ZUR	147.270	PROP
AMERICUS	W4VIR	147.270	
ASHBURN/TIFTON	W4PVW	147.285	T103.5

ATHENS	KD4QHB	146.745	
ATHENS	KD4AOZ	146.955	PROP
ATHENS/CRAWFORD	K4TQU	147.375	+ 127.3
ATLANTA	W4LOL	145.150	+ 167.9
ATLANTA	W4DOC	145.350	T146.2
ATLANTA	K4LCI	145.430	
#ATLANTA	WB4QGR	146.640	UNCOR
ATLANTA	W4DOC	146.820	T146.2
ATLANTA	K4CLJ	146.970	T
ATLANTA	W4NNO	147.000	
ATLANTA	WB6RTH	147.105	+ 107.2
ATLANTA	K4JPD	147.195	T
ATLANTA	K5WZY	147.285	
ATLANTA/AIRPORT	W4REI	147.030	
ATLANTA/BELL	W4RME	145.410	100.0
ATLANTA/MARIETTA	N4NFP	146.655	T118.8
ATLANTA/MARIETTA	N4NEQ	147.345	+ 118.8
AUGUSTA	KK4HL	145.110	
AUGUSTA	W4DVB	145.290	T100.0
AUGUSTA	AA4UA	145.370	
AUGUSTA	K4KNS	145.410	
AUGUSTA	W4DVB	145.490	
AUGUSTA	K4N	146.940	
AUGUSTA	K4KNS	146.985	100.0
BALDWIN	WD4NHV	147.180	
BLAIRSVILLE	KSPRE	147.000	T100.0
BOGART	W4EE	147.000	T
BOHAIER	KD4MHM	145.470	
BOHAIER	K4EDN	147.015	T82.5
BOSTON	W4UCJ	147.195	
BRUNSWICK	K4TVE	146.730	
CALHOUN	K4WOC	146.745	T100.0
CARROLLTON	W4FWD	146.640	T131.8
CARTERSVILLE	N4GIS	147.015	100.0
CEDARTOWN	W4CMA	147.120	
CHATSORTH	N4YD	145.250	T71.9
CLARKESVILLE	K4HCA	147.120	
CLAXTON	W4CLA	147.075	
CLEVELAND	WB4HIG	146.910	
COCHRAN	W3LAP	147.330	T77.0
COLBERT	N4ALE	147.300	
CONYERS	WB4JEH	145.230	T151.4
CONYERS	WB4JEH	146.610	T151.4
CONYERS	KF4GHF	147.210	T162.2
CONYERS	WR4SG	145.230	PROP
CORDELE	K4WUJ	145.490	T103.5
COVINGTON	W4ASJ	146.925	
COVINGTON	KF4GHF	147.270	T162.2
CUMMING	WB4GQX	147.150	
DALLHONEGA	N4KHO	146.835	T100.0
DALLAS	W4RPO	146.850	
DALLAS	WD4LUC	146.895	T77.0
DALTON	W4DRC	145.230	

DALTON	N4BZJ	147.135	T118.8
DECATUR	W4BOC	145.450	
DOERUN	KG4ABK	147.225	PROP
DOUGLAS	K4E2RT	147.045	141.3
DOUGLAS	AD4EQ	147.315	
DOUGLASVILLE	KR4HV	145.110	T88.5
DOUGLASVILLE	W4SCR	147.360	T88.5
DUBLIN	W4H2X	147.360	
EASTMAN	KC4RRO	145.210	
EATONTON	KC4YHM	147.090	T179.9
ELBERTON	N4UJT	146.825	
ELLIJAY/TALONA M.	KC4ZGN	146.985	T77.0
EMERSON	EA4JO	147.240	T103.5
#FAYETTEVILLE	W4EPK	145.210	UNCOR
FAYETTEVILLE	K4KZY	146.685	PROP
FORSYTH	W4STJ	147.315	88.5
GAINESVILLE	W4ABP	146.670	T131.8
GRIFFIN	K4HYB	145.390	T88.5
GRIFFIN	K4HYB	146.910	
HARTWELL	N4VNI	148.895	T100.0
HAWKINSVILLE	WR4MG	146.895	PROP
HINESVILLE	KF4UM	147.015	
IRWINTON	WB4NFG	147.240	T77.0
IVEY	K4YC	145.250	T
IVEY/MACON	K4YC	145.150	77.0
JASPER	KB4JF	145.370	T100.0
JASPER	K4UZO	146.700	
JASPER	KC4AQS	146.805	T100.0
JESUP	K4AEM	145.430	
JESUP	N4ZON	146.865	T123.0
JONESBORO	W4ADIW	145.170	
KIBBEE	K4HVH	146.820	T
KINGSLAND	KC4WUU	147.285	T118.8
LAGRANGE	KD4BWK	146.700	T141.3
LAGRANGE	WB4XO	147.330	
LAKE PARK	WR4SG	147.135	T141.3
LAVONIA	K4NVG	146.715	T100.0
LAWRENCEVILLE	WB0OGH	145.190	T
LAWRENCEVILLE	W4GR	147.075	82.5
LOOKOUT MT.	KS4QA	146.760	T77.0
LOOKOUT MTN	W4GTA	145.350	T100.0
MACON	W4KRM	145.370	
MACON	AA4RI	145.430	
MACON	WR4DH	146.730	T100.0
MACON	N3SM	146.805	T77.0
MACON	K4PDQ	146.895	T123.0
MACON	W4ADI	147.060	T
MADISON	WB4DKY	146.885	T179.9
MARIETTA	W4MLA	146.490	88.5
MARIETTA	N4NEQ	146.775	T118.8
MARIETTA/ATLANTA	W4BTI	146.880	T100.0
MILLEDGEVILLE	K4KG	147.135	T123.0
MORGANTON	N4NEQ	147.165	T151.4

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

GEORGIA REPEATERS CONTINUE

MOULTRIE	WD4KOW	146.790	
NASHVILLE	KB4JF	145.310	T141.3
NEWNAN	K4SEX	145.130	
#NEWNAN	K4SEX	146.790	UNCOR
COILLA	KD4MFS	145.350	
PEMBROKE	W4CJB	147.390	PROP
PERRY	WR4MG	145.250	T107.2
PERRY	WR4MG	146.955	107.2
QUITMAN	WA4NK	146.800	
RICEBORO	KF4UM	145.470	
RINGGOLD	W4ABZ	146.175	T67.0
ROME	WB4YSV	147.300	
ROME/MT. ALTO	W4VO	146.940	88.5
ROSWELL	N4CLA	147.060	
SANDERSVILLE	KT4X	145.270	T77.0
SAVANNAH	K4NLX	146.700	
SAVANNAH	W4HB	146.880	
SAVANNAH	W4HBB	146.970	
SAVANNAH	W4AIDS	147.150	PROP
SAVANNAH	K4NLX	147.210	
SAVANNAH	K4NLX	147.330	
SNELLVILLE	KR4NQ	147.255	T107.2
ST SIMONS ISLAND	N4XGI	145.330	T131.8
STATSBORO	NC4D	147.105	
STOCKBRIDGE	WA4JDR	145.310	
STONE MT	W4BOC	146.760	T107.2
#SUMMERVILLE	W4RLP	147.225	UNCOR
SWEAT MT/MARIETTA	N4CLA	145.470	
THOMASTON	W4OHF	147.290	131.8
THOMASVILLE	W4DJU	147.060	
TOCCOA	K4U1CP	147.330	
TYRONNE	N4OME	147.165	
UNADILLA	WR4MG	146.760	T107.2
VALDOSTA	WR4SG	145.130	T141.3
VALDOSTA	KF4BJM	146.760	141.3
VIDALIA	K4HAO	146.825	
WALESKA/PNLG MT	K4PLM	145.270	T103.5
WARM SPRINGS	KN4FE	146.985	
WARNER ROBINS	W4AORT	146.850	
WARNER ROBINS	W4BOP	147.180	
WARNER ROBINS	WR4MG	147.300	107.2
WATKINSVILLE	KD4AOZ	147.045	T123.0
WAYCROSS	AE4PO	146.840	T141.3
WAYCROSS	AE4PO	147.255	T141.3
WAYNESBORO	K4BR	145.230	
WRIGHTSVILLE	W44RVB	146.940	
YOUNG HARRIS	K2YRW	147.090	

220 MHZ

ACWORTH/ATL	N4MTA	224.320	T123.0
ACWORTH/ATL	N4MTA	224.500	T123.0
ALPHARETTA	NX3O	224.580	100.0
ALPHARETTA	KC4JNN	224.860	T100.0
ATL/MARIETTA	N4NEQ	224.440	T118.8
ATLANTA	W4DOC	224.340	
ATLANTA	W4DOC	224.560	T146.2
ATLANTA	KK4C	224.820	
#ATLANTA-NE	KC4OVY	224.200	UNCOR
ATLANTA/BELL	W4PME	224.620	100.0
ATLANTA/MARIETTA	N4NPF	224.120	T118.8
ATLANTA/MARIETTA	N4BEO	224.220	T
ATLANTA/MARIETTA	PT2RFL	224.360	T100.0
AUGUSTA	WB4KXO	224.940	
BISKEY MTN	KC4JNN	224.160	T100.0
CEDARTOWN	KC4KLW	224.780	T179.9
CLAYTON	W4UWH	224.720	PROP
#CONYERS	WB4JH	224.020	UNCOR
DAHLONEGA	N4RBT	224.380	T100.0
DALLAS	N4YDH	224.180	
DALLAS	N4YEA	224.540	
DALLAS	W4TIT	224.700	
DALTON	N4BZJ	224.360	T
DALTON	N4BZJ	224.460	T118.8
DALTON	N4BZJ	224.680	
DALTON	N4KVC	224.740	T
FT MT/CHATS WTH	N4YUD	224.240	T171.9
GAINESVILLE	W4ABP	224.460	PROP
GAINESVILLE	W4TL	224.840	T131.8
JASPER	KC4AQ	224.400	T100.0
JASPER	W4UWH	224.600	100.0
LOOKOUT MT	KS4QA	224.560	T
LOOKOUT MT	KS4QA	224.640	
MARIETTA	KE4QFG	224.260	
MARIETTA	W4LHA	224.300	
NORCROSS	KE4IPX	224.480	
PINE LOG MTN	KE4AIS	224.520	
SNELLVILLE	W4BSX	224.920	T100.0
STONE MT	W4BOC	224.760	
TEMPLE	W4AKM	224.300	T100.0
VALDOSTA	K80Y	224.460	T141.3
WALESKA	KD4ALC	224.140	
WALESKA	KB4GDS	224.340	
WARNER ROBINS	WR4MG	224.840	
WATKINSVILLE	KD4AOZ	224.420	T123.0
YORKVILLE	WD4LUQ	224.580	T77.0
YOUNG HARRIS	NP2Y	224.660	

440 MHZ

ACWORTH	KC4YNF	441.800	T77.0
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ALBANY	W4MM	444.500	
ALPHARETTA	WB6RTH	442.000	107.2
ATHENS	A4AAI	442.950	T179.9
ATHENS	WB4VNT	443.300	T
#ATHENS/CRAWFORD	KC4GZX	444.300	UNCOR
ATL/MARIETTA	N4NPF	442.800	T
ATL/MARIETTA	N4NEQ	444.050	T118.8
ATLANTA	N4NEQ	444.775	118.8
ATLANTA	W4CML	442.025	T127.3
ATLANTA	WB6RTH	442.225	UNCOR
ATLANTA	W4AYNZ	442.975	
ATLANTA	W4CML	443.025	T127.3
ATLANTA	K4SVZY	443.600	PROP
ATLANTA	W4DOC	444.450	T146.2
ATLANTA	WB5TUF	444.500	
ATLANTA	W4DOC	444.825	T146.2
ATLANTA	W44NNO	444.925	
ATLANTA	W4AYNZ	444.975	T
ATLANTA/BELL	W4ZTL	421.250	
ATLANTA/BELL	W4PME	444.150	T100.0
ATLANTA/MARIETTA	PT2RFL	442.875	T100.0
ATLANTA/MARIETTA	N4NPF	443.500	T118.8
AUGUSTA	KD4BOO	444.900	
BALDWIN	WD4NHV	442.350	
#BISKEY MTN	KC4JNN	443.250	UNCOR
BLAIRSVILLE	KF4SKT	442.200	
BOGART	W4EEE	443.475	T
BOONAIRE	K4EDN	444.625	T82.5
BRUNSWICK	K4TVE	444.975	
BUFORD	K3TD	442.900	T103.5
BYRON	WB4SBT	444.700	T103.5
CHARTSWORTH	KD4NTF	443.575	T107.2
CHATS WORTH	W4DR	443.000	
CHESTER	KD4IEZ	444.625	
CLARKESVILLE	K4HCA	442.425	
CLAYTON	W1CP	442.825	T162.2
CLEMONT	W4TL	444.950	PROP
COCHRAN	W3LAP	444.975	77.0
CONCORD	WB4GWA	443.400	118.8
CONYERS	WB4JH	442.550	T151.4
CONYERS	KB2DZA	443.725	T77.0
CONYERS	WB4JH	444.550	T151.4
CONYERS	KC4ELV	444.750	T162.2
CORNELIA	K4ULG	444.275	PROP
COVINGTON	K4GO	443.750	T146.2
COVINGTON	W44ASI	444.800	T88.5
CULLODEN	KE4BB	444.275	T123.0
CUMMING	WB4GOX	441.900	T141.3
CUMMING	W4BPY	442.575	T79.9
CUMMING	W4CBA	444.625	T123.0
#CUMMING	W4AYNZ	444.975	UNCOR
DAHLONEGA	N4KHQ	443.100	100
DAHLONEGA	N4KHQ	444.900	
DALLAS	W4CSX	441.925	T162.2
DALLAS	W4TIT	443.700	
DALLAS	WD4LUQ	444.700	T77.0
DALTON	KD4GRU	442.125	PROP
DALTON	N4BZJ	442.175	T118.8
DALTON	N4BZJ	444.500	T118.8
DALTON	N4BZJ	444.850	
DECATUR	N3APR	442.200	
DECATUR	K4AUFM	443.950	T110.9
DECATUR	W4BOC	444.250	
DOUGLASVILLE	W4SCR	444.575	T88.5
DUBLIN	KD4FOC	442.600	T77.0
DUBLIN	KD4IEZ	443.025	T156.7
EATONTN	KD4YHM	442.925	
ELLURY	KC4ZGN	442.700	T77.0
FAYETTEVILLE	W4PSZ	444.600	
FLOWERY BRANCH	K4RHJ	443.900	T100.0
FT. MT/CHATS WTH	N4YUD	443.350	T171.9
GAINESVILLE	W4ABP	442.625	T131.8
#GAINESVILLE	W4ADB	444.200	UNCOR
GRAY	K4MDS	443.625	
GREENSBORO	N4YXL	444.850	PROP
GRIFFIN	KE4WLP	443.550	
HIAWASSEE	KC4CBQ	444.675	186.2
HINESVILLE	KF4UM	444.850	PROP
HOG MTN	WB00GH	444.400	T82.5
HOGANSVILLE	KC4YNY	444.300	PROP
IRWINTON	WB4NFG	444.925	T77.0
IVEY	K4YC	443.200	T88.5
IVEY	K4YC	444.650	T
JASPER	KC4AOS	443.375	T100.0
JASPER	KF4OYP	443.625	T100.0
JASPER	KB4IZF	444.375	T103.5
JULIETTE	WB4JWM	444.425	T156.7
KINGSLAND	KCSBMJ	444.625	T118.8
LAVONIA	K4NVG	442.475	T203.5
LAWRENCEVILLE	WB00GH	442.850	T82.5
LAWRENCEVILLE	WB4CDB	444.000	T100.0
LAWRENCEVILLE	W4CML	444.025	T127.3
LOOKOUT MT	KS4QA	442.475	T87.0
LOOKOUT MTN	W4LOC	442.650	T100.0
MABLETON	W4ULG	442.325	T
MACON	K4DDH	442.275	T100.0
MACON	K4EFW	442.875	T114.8
#MACON	KC4ZIZ	443.075	UNCOR
MACON	W4BKM	444.100	
MARIETTA	N1KDO	442.050	T107.2

MARIETTA	KE4QFG	442.375	T
MARIETTA	W44OKJ	442.600	T100.0
MARIETTA	N4MTA	443.500	
MARIETTA	KF4BMG	444.325	T79.7
MARIETTA/ATL	KE4QFG	442.725	T
MCDONOUGH	KE4UAS	444.875	T123.0
MONROE	K04XL	443.925	T123.0
MOULTRIE	W1BPP	444.625	T123.0
NORCROSS	K4HUM	442.100	T
PEACHTREE CITY	AB4KN	442.500	T77.0
PEACHTREE CITY	N4YTR	444.675	
PERRY	WR4MG	444.950	
QUITMAN	W44NKL	444.600	T127.3
RINGGOLD	KW4KW	442.300	PROP
RINGGOLD	W4BAB	443.925	
ROCKMART	KC4KLW	443.275	T179.9
ROME	KC4KLW	443.525	T179.9
ROSWELL	W8BLA	442.075	T
#ROSWELL	W4AYNZ	442.975	UNCOR
ROSWELL/BELL	N4SE	442.150	T100.0
ROSWELL/BELL	W4PME	443.150	T100.0
SANDY SPRINGS	K4OKO	443.500	T103.5
SAVANNAH	K4NLX	421.250	
SAVANNAH	K4NLX	442.700	
SAVANNAH	WD4AFY	444.000	UNCOR
SHELLMAN BLUFF	KCSBMJ	443.650	PROP
SNELLVILLE	W4CML	442.450	T
SNELLVILLE	NE1H	443.050	T
SNELLVILLE	W4GR	444.525	82.5
ST SIMONS ISLAND	N4XGI	442.950	T131.8
STOCKBRIDGE	N4JMD	443.325	T
SWEAT MT/MARIETTA	N4CLA	444.475	
VALDOSTA	WR4SG	444.350	T141.3
VALDOSTA	KF4BJM	444.700	T141.3
VALDOSTA	KE4PMD	444.600	T88.5
VIDALIA	KD4DXR	441.350	UNCOR
#WALESKA	KE4KLU	443.175	103.5
WALESKA	K4PLM	443.850	UNCOR
WARM SPRINGS	N4UER	442.400	
WARNER ROBINS	WR4MG	442.900	
WATKINSVILLE	KD4AOZ	444.725	T123.0
WAYCROSS	AE4PO	444.025	PROP
WOODSTOCK	KE4JSO	444.225	

1270 MHZ

ATL/MARIETTA	N4NEQ	442.250	
ATLANTA/BELL	KB4KIN	1292.000	
DALTON ATV	N4BZJ	421.250	

KENTUCKY

10 METERS

LOUISVILLE	KK4OZ	29.640	
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6 METERS

ASHLAND	KC4QK	53.010	T107.2
HAZARD	KE4LV	53.850	PROP
HIGHLAND HEIGHTS	WD4OC	53.330	T23.0
HIGHLAND HEIGHTS	W4YVH	53.750	PROP
LAGRANGE	WB4WSB	53.850	PROP
LAWRENCEBURG	N4EOT	53.130	T107.2
LEXINGTON	KE4LGL	53.570	
LONDON	KE4ZJT	53.910	PROP
LOUISVILLE	KF4JAU	53.290	
LOUISVILLE	W44DBY	53.430	T151.4
NANCY	K4UHL	53.270	T100.0
#STANTON	WD4KNE	53.810	UNCOR
WAYNESBURG	KE4KRF	53.390	T100.0
WILLIAMSBURG	KB4PTJ	53.070	T100.0

2 METERS

ALLEN	K4ICN	147.300	T123.0
#ARTEMUS	KE4INT	147.390	UNCOR
ASHLAND	KC4VE	148.940	
ASHLAND	KC4QK	147.240	T107.2
ASHLAND	W4BKVH	147.330	
BARDSTOWN/NELSON	WB4GGH	145.470	151.4
BEREA	KF4OFT	147.115	100.0
BLACK MOUNTAIN	KB4DFK	147.210	T103.5
BOWLING GREEN	W44GOZ	146.625	PROP
BOWLING GREEN	K4LCL	147.060	156.7
BOWLING GREEN	W4WSM	147.165	
BOWLING GREEN	K44CFW	147.330	
BOWLING GREEN-SO	W4WSM	146.655	
BROOKS	K4Y4Y	146.700	T151.4
BUCKHORN LAKE	K44HRN	147.375	PROP
CANE VALLEY	W44UXJ	146.840	
CENTER	KD4YK	147.375	PROP
#CENTRAL CITY	WF4N	145.390	UNCOR
CORBIN	WD4KVV	146.610	
COVINGTON	WR8CRA	147.390	
CRESTWOOD	KF4TOL	147.390	T151.4
DANVILLE	WD4DZC	146.655	
DAVID	KC4KZT	145.310	T
DAWSON SPRINGS	KF4CWK	147.090	T103.5

SYMBOLS: © = Full Member SERA T= Tone Accessed (plus tone freq)

and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

KENTUCKY REPEATERS CONTINUE

DORTON	KC4KZT	146.895 +	T141.3	⊕
ELIZABETHTOWN	W4BEJ	146.980 -		⊕
ELKTON	K4ANNE	146.805 -		⊕
FARMINGTON	W4GZ	147.240 +	T91.5	⊕
FLEMINGSBURG	KF4BRO	146.955 -	T107.2	⊕
FLORENCE	K4JVB	146.895 -	100.0	⊕
FRANKFORT	N4EQT	147.105 +	T107.2	⊕
FRANKFORT	KC4AI	147.240 +	T100.0	⊕
FRANKLIN	K4S2KZ	147.135 +	PROP	⊕
GEORGETOWN	KF4NTQ	146.885 -	107.2	⊕
GLASGOW	KY4X	146.940 -	114.8	⊕
GRAYSON	KD4DZE	146.700 -	107.2	⊕
GRETHER	KJ4VF	147.045 +	T100.0	⊕
HALLS GAP	W8PRH	145.170 -		⊕
HAZARD	KF4SJO	146.670 -		⊕
HAZARD	W8PRH	146.805 -		⊕
#HENDERSON	K4DPP	146.970 -	UNCOR	⊕
HIGHLAND HEIGHTS	W4YWH	146.790 -		⊕
HIGHLAND HTS	K4CQ	147.255 +	T	⊕
#HODGENSEVILLE	KC4TX	147.315 +	UNCOR	⊕
HOPKINSVILLE	KF4FO	146.710 -		⊕
HOPKINSVILLE	KD4ULE	147.030 +	T103.5	⊕
HUEYSVILLE	KF4ZTB	145.470 -	T79.7	⊕
HYDEN	KF4TLT	147.240 +	186.2	⊕
IRVINE	W4CMR	146.820 -	192.8	⊕
IRVINE	AD4RU	147.015 +		⊕
IRVINGTON	WB4VWH	146.900 -		⊕
JACKSON	W4MXO	145.410 -		⊕
LAWRENCEBURG	N4EQT	145.390 -	T107.2	⊕
LEBANON	WD4JZH	147.345 +	PROP	⊕
LEESBURG	KC4UPE	145.110 -	T192.8	⊕
LEXINGTON GRGTWN	W8PRH	145.210 -		⊕
LEXINGTON	AD4VJ	145.250 -	110.9	⊕
LEXINGTON	K4KJQ	146.760 -		⊕
LEXINGTON	W4AHBM	147.165 +		⊕
LEXINGTON	KJ4VF	147.195 +		⊕
LONDON	KE4ZJT	147.180 +	151.4	⊕
LONDON	KC4ZFH	147.285 +	T	⊕
LOUISA	N8QCW	147.390 +	107.2	⊕
LOUISVILLE	W8PRH	145.230 -		⊕
LOUISVILLE	AC2DC	145.290 -	T151.4	⊕
LOUISVILLE	K4KQZ	145.410 -	127.3	⊕
LOUISVILLE	W4PF	146.880 -		⊕
LOUISVILLE	W4PJZ	147.030 +	151.4	⊕
LOUISVILLE	N4NMC	147.070 +	T151.4	⊕
#LOUISVILLE	K4AKMT	147.120 +	UNCOR	⊕
#LOUISVILLE	K4KOP	147.150 +	UNCOR	⊕
LOUISVILLE	W4CN	147.180 +	88.5	⊕
LOUISVILLE	WB4EJK	147.270 +	151.4	⊕
LOUISVILLE AREA	N4UL	145.130 -	T151.4	⊕
LYNN GROVE	K4A8LZ	146.895 -	T210.7	⊕
MADISONVILLE	KC4FRA	146.895 -	T107.2	⊕
MAYSVILLE	KF4BRO	145.470 -		⊕
MIDDLESBORO	W4PMM	146.775 -		⊕
MILLARD	KD4RTR	146.745 -	T141.3	⊕
MONTICELLO	KY4JW	145.150 -		⊕
MOREHEAD	KJ4VF	145.130 -	T100.0	⊕
MOREHEAD	K4GFY	146.910 -	T123.0	⊕
#MT. STERLING	WD4KNE	147.330 +	UNCOR	⊕
MURRAY	K4MSU	146.940 -		⊕
NANCY	K4AULH	146.790 -	T100.0	⊕
OWENSBORO	N4WJS	146.685 -	110.9	⊕
OWENSBORO	KM4CF	146.865 -		⊕
OWENSBORO	K4HY	147.210 +	110.9	⊕
PADUCAH	K4CUW	146.855 -	T	⊕
PADUCAH	K4CUW	146.760 -		⊕
#PADUCAH	W4NJA	147.060 +	UNCOR	⊕
PAINTSVILLE	N4KUJ	145.270 -	T	⊕
PHELPS	KJ4YK	147.090 +		⊕
PIKEVILLE	AD4BI	145.150 -	107.2	⊕
PIKEVILLE	KM4IV	146.850 -		⊕
PRESTONSBURG	WB4UBY	147.165 +		⊕
RADCLIFF	A14HB	145.350 -	173.8	⊕
RADCLIFF	W4BEJ	146.925 -		⊕
RICHMOND	KE4YVD	145.370 -	T192.8	⊕
RICHMOND	KG4AEU	146.865 -	192.8	⊕
ROCKFORD	KG4FEJ	145.450 -	PROP	⊕
ROCKPORT	KD4BOH	145.270 -	77.0	⊕
SALEM	KC4VXR	146.835 -	T192.8	⊕
SALVISA	KC4ZOX	146.835 -	T192.8	⊕
SALYERSVILLE	KB4SQI	145.190 -	T127.3	⊕
SANDY HOOK	KF4WMM	147.135 +	PROP	⊕
SHELBYVILLE	KE4LR	147.000 +		⊕
SOMERSET	K4AULH	146.880 -	77.0	⊕
SPRINGFIELD	W4ASJH	147.300 +		⊕
ST. CHARLES	KE4AIE	147.270 +		⊕
STANTON	N4VOS	145.290 -		⊕
STANTON	W8PRH	146.970 -		⊕
STINETT	KF4TLT	147.345 +	PROP	⊕
TOMPKINSVILLE	KJ4OG	146.775 -		⊕
VANCEBURG	AE4SK	146.775 -		⊕
VERSAILLES	KF4INN	145.330 -		⊕
WADDY	KS4TO	146.910 -	T107.2	⊕
WALTON	K4CO	147.375 +		⊕
WEBSTER	K4ULW	146.625 -	T151.4	⊕
WILLIAMSBURG	KD4DAX	145.350 -		⊕
WILLIAMSBURG	KG4M	147.000 +		⊕

WINCHESTER	WB4A2S	147.120 +	⊕
220 MHZ			
ASHLAND	KC4QK	223.940 -	⊕
DORTON	WR4AMS	224.520 -	⊕
HAZARD	WR4AMS	224.820 -	PROP
IRVINE	AD4RU	224.940 -	⊕
LANCASTER	KD4RFX	224.560 -	⊕
LANGLEY	WR4AMS	224.720 -	PROP
LAWRENCEBURG	N4EQT	224.900 -	PROP
LEXINGTON	AC4AO	224.420 -	⊕
LEXINGTON	KR4BD	224.800 -	⊕
LONDON	KE4JGT	224.980 -	⊕
LOUISVILLE	K4AMK	224.300 -	⊕
MIDDLESBORO	WM4MD	224.120 -	T82.5
MIDDLESBORO	K4AULH	224.100 -	T100.0
NANCY	KD4AR	224.620 -	⊕
PIKEVILLE	N4FND	224.500 -	PROP
SHEPHERDSVILLE	N4AI	224.300 -	⊕
SOMERSET	N4AI	224.880 -	⊕
VERSAILLES	AD4ACR	224.220 -	⊕
440 MHZ			
ALLEN	N4IWZ	444.775 +	T123.0
ASHLAND	K4AMKG	444.750 +	88.5
ASHLAND	KC4QK	444.975 +	T107.2
BARDSTOWN	KT4GB	443.000 -	PROP
BEATTYVILLE	KC4UPE	444.825 +	T192.8
BOWLING GREEN	W4HTB	426.250 +	⊕
BOWLING GREEN	W4WSM	444.100 +	⊕
BOWLING GREEN	N5KOL	444.700 +	T136.5
BROOKS	KY4KY	443.700 +	151.4
BRUSHY FORK	KF4WMM	444.600 +	88.5
CANE VALLEY	KC4TX	443.950 +	T
CORBIN	KF4FC	444.275 +	79.7
CORBIN	WB4VH	444.900 +	⊕
CORBIN	EA4NU	443.450 +	T151.4
DAVID	KC4KZT	443.900 +	T167.9
DAWSON SPRINGS	KU4MJ	444.275 +	⊕
DORTON	KD4RTR	442.150 +	167.9
DORTON	KJ4VF	443.250 +	⊕
DRY RIDGE	W4BEJ	443.425 +	100.0
ELIZABETHTOWN	WB4EB	421.250 +	⊕
ELIZABETHTOWN	W4BEJ	444.800 +	156.7
FALMOUTH	KD4EBJ	443.825 +	⊕
FLORENCE	KC4COV	443.475 +	T192.8
FLORENCE	KC4COV	444.175 +	T192.8
FORT WRIGHT	KY4JD	442.525 +	T123.0
FOSTER	KU4ML	443.125 +	⊕
FRANKFORT	K4NGQ	442.175 +	T67.0
FRANKFORT	W4ACM	443.325 +	PROP
FRANKLIN	KD4TAH	443.225 +	⊕
GARRETT	KF4JJD	442.400 +	79.7
GEORGETOWN	KF4NTQ	443.625 +	⊕
GILBERTSVILLE	W2HR	442.850 +	T103.5
GLASGOW	KY4X	444.925 +	⊕
GRAEFENBURG	N4HXZ	443.550 +	⊕
GRETHER	KJ4VF	444.525 +	⊕
HAWESVILLE	KE4AFL	444.625 +	⊕
HAZARD	KE4BHZ	443.975 +	T103.5
HENDERSON	KY4K	444.725 +	T203.5
HIGHLAND HEIGHTS	W4YWH	444.900 +	123.0
HOPKINSVILLE	KE4AIF	444.750 +	T103.5
INDEPENDENCE	K4JBV	442.325 +	100
INDEPENDENCE	KB8SBN	444.075 +	T110.9
IRVINE	W4CMR	442.900 +	⊕
IRVINE	AD4RU	444.000 +	⊕
JONESVILLE	KC4COV	444.425 +	118
LATONIA	AA4XV	442.400 +	⊕
LAWRENCEBURG	N4EQT	443.925 -	PROP
LEWISPORT	K4DC	444.550 +	⊕
#LEXINGTON	KY4ATV	923.250 -	UNCOR
LEXINGTON	KD4ADJ	442.050 +	⊕
LEXINGTON	KE4AOL	443.025 +	T123.0
LEXINGTON	KC4ZY	444.125 +	⊕
LEXINGTON	KC4DUU	444.550 +	⊕
LEXINGTON	N4DUE	444.950 +	⊕
LOUISVILLE	WD4ELX	442.550 +	⊕
LOUISVILLE	KB4YJ	442.725 +	151.4
LOUISVILLE	N4UL	444.100 -	173.8
#LOUISVILLE	WB4ZZO	444.300 -	UNCOR
LOUISVILLE	N4NMC	444.600 +	T151.4
LOUISVILLE AREA	N4RBL	442.100 +	T
LOUISVILLE AREA	KD4CLR	442.450 +	T151.4
LOUISVILLE SW	K4ULW	443.350 +	⊕
MADISONVILLE	KC4FIE	442.425 +	⊕
MADISONVILLE	EA4LV	442.575 +	T100.0
MADISONVILLE	KC4FIE	442.775 +	⊕
MADISONVILLE	KC4FIE	444.800 +	⊕
MAMMOTH CAVE	K4RPN	444.475 +	T179.9
MARION	KF4BRO	444.200 +	T100.0
MAYSVILLE	KF4BRO	443.500 +	T123.0
META	WB4UBY	443.500 +	⊕
MIDDLESBORO	WM4MD	442.325 +	T67.0
MIDDLESBORO	WB4IVB	444.150 +	T100.0
MILLARD	KD4RTR	443.425 +	⊕
MONTICELLO	WB8SHH	444.750 +	⊕
MOREHEAD	K4GFY	442.500 +	⊕
MT. STERLING	KD4ADJ	442.800 +	⊕
MURRAY	K4MSU	443.600 +	T114.8

NANCY	K4AULH	443.600 +	T100.0	⊕
NICHOLASVILLE	KC4UPE	444.775 +	T167.9	⊕
NICHOLASVILLE	WB4CWF	444.975 +		⊕
OLIVE HILL	KO4LI	444.925 +		⊕
OWENSBORO	N4WJS	443.100 +		⊕
OWENSBORO	N4WJS	443.650 -	203.5	⊕
PHELPS	N4MYY	444.575 +		⊕
PIKEVILLE	KD4RTR	444.300 +		⊕
PIKEVILLE	KD4ADR	444.375 +		⊕
PIKEVILLE	AD4BI	444.475 +		⊕
ROBINSON CREEK	KC4VYX	444.675 +		⊕
ROCKPORT	KD4BOH	442.675 +	77.0	⊕
ROCKPORT	KD4BOH	444.075 +	T77.0	⊕
RUSSELLVILLE	KD4TAH	442.350 +	PROP	⊕
SALEM	KC4VXR	444.825 +	T100.0	⊕
SALVISA	KF4AWA	444.675 +	T203.5	⊕
SALVISA	KC4UPE	444.875 +	T167.9	⊕
SALYERSVILLE	KE4NLL	444.050 +	T127.3	⊕
SHELBYVILLE	KE4YRE	442.275 +		⊕
SHEPHERDSVILLE	KD4YK	444.400 +	T203.5	⊕
SIMPSONVILLE	KO4AT	444.450 +	T100.0	⊕
SPRINGFIELD	W4ASJH	444.600 +		⊕
STANTON	N4VOS	442.075 +		⊕
VERSAILLES	KF4INN	443.775 +		⊕
WADDY	KS4TO	443.225 +		⊕
WALTON	K4CO	444.350 +		⊕
WILDER	KC4COV	444.400 +	PROP	⊕
WILLIAMSBURG	KB4PTJ	444.050 +	100.0	⊕

MISSISSIPPI

6 METERS

BYHALIA	N4DRL	53.270 -	T	⊕
ELLISVILLE	N5EKR	53.010 -	T	⊕
LAUREL	KC5PIA	53.450 -		⊕
NETTLETON	AB5MU	53.050 -	192.8	⊕

2 METERS

ABERDEEN	WB5USN	147.270 +		
AMORY	KB5DWX	146.940 -	T192.8	
AMORY	KB5DSN	147.090 +		
BILOXI	KC5IF	146.730 -		
BILOXI	K5TYP	146.790 -		
BOONEVILLE	K5YD	145.190 -	110.9	⊕
BOONEVILLE	K5WJ	147.150 +		
BYHALIA	N4DRL	145.350 -		
BYHALIA	N4DRL	147.225 +		
CHATAWA	WB5GOJ	145.310 -		
COLUMBIA	NS5JC	147.285 +	PROP	
COLUMBUS	KC5ULN	146.625 -		
COLUMBUS	KC5ULN	147.000 +		
CORINTH	K5UFH	147.000 -		
CORINTH	KB5TGA	147.285 +		
D'IBERVILLE	KC5IF	145.410 -		
ELLISVILLE	NS5KR	146.955 -	T	
ELLISVILLE	NS5WJ	146.865 +	T136.5	
ELLISVILLE	NS5WJ	146.895 +	T136.5	
FOREST	KC5QHP	147.390 +	T100.0	
FULTON	W5XP	145.450 -		
GLOSTER	KX5E	145.430 -	T136.5	
GREENVILLE	KG5SF	147.345 +		⊕
GRENADA	W5LV	147.300 -		⊕
GULFPORT	K5VUFU	147.375 +		
HATTIESBURG	W5CJR	145.190 -	T136.5	
HATTIESBURG	K5JXJ	145.370 -	136.5	⊕
HATTIESBURG	W5CJR	146.775 -	T136.5	
HATTIESBURG	W5CJR	147.360 +		
HERNANDO	K5VJ	145.910 -		⊕
SOLA	KC5OB	146.955 -		
JACKSON	W5AXQ	146.760 -		⊕
JACKSON	K5QNE	146.880 -	T100.0	⊕
JACKSON	K5ASBK	146.940 -	100.0	⊕
JACKSON	W5IQ	147.000 +		⊕
KILN	K5DMC	145.330 -		
KOSCIUSKO	W5LWC	146.850 -		⊕
LAUREL	KC5OWZ	146.810 -		⊕
LAUREL	W5YD	147.030 +	T	
LAUREL	KC5RC	147.255 +		
LUCEDALE	W5JZL	146.910 -		
MADISON	K5XU	146.640 -		
MAGEE	K5HYE	146.820 -	100.0	
MAGEE	K5ASLN	147.300 +		
MCLAIN	KC5OYG	145.230 -	PROP	
MENDENHALL	K5HYE	145.110 -	T	
MENDENHALL	KB5KR	145.210 -	T100.0	
MERIDIAN	KC5ZH	146.655 -		
MERIDIAN	K5FW	146.970 -	100.0	
MONTICELLO	NS5JHK	147.015 +		
NATCHEZ	W5KH6	146.685 -		
NATCHEZ	K5OCM	146.910 -	91.5	
NATCHEZ	K5SCV	147.360 +	UNCOR	
#NEW ALBANY	KC5VZI	145.230 -	100.0	
NEW ALBANY	W5BGB	146.670 -		
#NEW ALBANY	KC5VZI	146.745 -	UNCOR	
NEW HERRON	N5MS	147.090 +	T	
OCEAN SPRINGS	W5LDD	147.030 +		
OXFORD	KF4SC7	145.470 -	T107.2	

SERA REPEATER LISTINGS - BY STATE - BY CITY... continue

MISSISSIPPI REPEATERS CONTINUE

PASCAGOULA	WSWA	145.110	T123.0
PASCAGOULA	KESSJ	146.880	
PEARL/RANKIN CO	KF5JZ	147.150 +	T88.5
PETAL	N5DWU	145.170	T136.5
POLKVILLE	KB5LCW	147.045 +	T141.3
PORT GIBSON	KE5WLO	146.625	
RAYMOND	KG5VY	147.240 +	PROP
RIGHTON	N5OCF	147.060 +	T
SENATOBIA	KB5DMT	146.985	T107.2
SILVER SPRING	N5ZQC	145.450	T100.0
STARVILLE	KD5GVU	146.730	210.7
STARVILLE	KF5C	146.805	192.8
#SUMNER	WB5FXH	147.080 +	UNCOR
TUPELO	N5VGK	145.490	
UNION	N5SPJ	147.210 +	T100.0
UTICA	N5ZMZ	145.350	
UTICA	N5ZMZ	147.345 +	
VICKSBURG	K5ZRO	147.270 +	T100.0
VOSSBURG	KB5UIX	147.135 +	136.5
WALLS	N5NBG	145.270	T162.2
WATER VALLEY	N5DXM	147.000	
WAYNESBORO	W5SJA	147.105 +	
WAYNESBORO	N5DWU	147.315 +	
WEST POINT	K5SLU	147.180 +	
WIGGINS	KB5DZJ	145.270	T136.5
WINONA	N5EYM	146.970	110.9

220 MHZ

BYHALIA	N4DRL	224.500	
VICKSBURG	WB5OWY	224.780	
WARSAW	N4DRJ	224.800	
WAYNESBORO	W5SAR	224.140	

440 MHZ

ABERDEEN	KD5AHI	444.450 +	
AMORY	KB5DSN	444.825 +	
BYHALIA	N4DRL	444.300 +	
CLERMONT/HARR	WB5BJT	444.150 +	
CLINTON	KG5VY	444.000 +	T100.0
ELLSVILLE	N5DWU	442.200 +	167.9
ELLSVILLE	N5DWU	442.250 +	167.9
GAUTIER	KASNOJ	426.250 +	
GAUTIER	KASNOJ	911.250	
GAUTIER	K5SLCW	443.450 +	123.0
GREENVILLE	N5PS	444.675 +	
HATTIESBURG	W5CJR	443.700	T136.5
HEIDELBERG	K5SRC	444.300 +	T100.0
INDIANOLA	AB5DU	444.850 +	136.5
JACKSON	KB5LCL	444.450 +	T141.3
JACKSON	KB5CO	444.600 +	T100.0
JACKSON	KB5CO	443.800 +	
MENDENHALL	K5HYE	443.600 +	
MERIDIAN	KB5BRZ	444.100 +	131.8
MERIDIAN	W5LRG	444.500 +	107.2
NATCHEZ	N5IAT	443.800 +	
NETTLETON	AB5MU	444.625 +	192.8
NEW ALBANY	WB5YCR	444.150 +	
NEW HEBRON	N5NNI	444.525 +	T
PEARL	KB5HAV	444.375 +	T88.5
PETAL	W5CJR	443.350 +	T
PHILADELPHIA	W5VGI	444.950 +	
PICAYUNE	K5LJ	443.725 +	T179.9
PINOLA	K5SLX	444.850 +	
PORT GIBSON	K5CLM	444.575 +	T141.3
RIGHTON	N5OCF	444.625 +	
STENNIS SPC CEN	WB4FUR	444.650 +	
TUPELO	N5VGK	444.950 +	T192.8
WALLS	N5NBG	444.650 +	
WAYNESBORO	W5SAR	443.500 +	
WAYNESBORO	W5SAR	443.550 +	
WEST POINT	N5WXD	443.450 +	
WIGGINS	KB5DZJ	443.300 +	167.9

NORTH CAROLINA

10 METERS

HIGH POINT	KE4QOX	29.640	T103.5
NEWPORT	K4GRW	29.660	PROP
ROCKY MOUNT	N4JEH	29.660	
THOMASVILLE	W4W4C	29.680	88.5
WILKESBORO	KC4XE	29.620	
ZEBULON	WB4IUY	29.620	

6 METERS

AIR BELLOWS GAP	W4APXV	53.050	
ASHVILLE	W4ABGW	53.270	
BARIUM SPRINGS	W4WRS	53.670	PROP
BOONE	W4ANC	53.790	PROP
CHAPEL HILL	W4UNC	53.450	T
CLAREMONT	WB4SRV	53.810	PROP
CLINTON	W4TLP	53.330	
DURHAM	W4BAD	53.750	
EFLAND	W4IYV	53.410	T107.2
#FAYETTEVILLE	W4EBM	53.810	UNCOR
GASTONIA/CRDR MT	N4XTF	53.110	
#HENDERSONVILLE	W4FOT	53.300	UNCOR
KVILLE/HIPOINT	KF4QDS	53.590	T103.5

LUMBERTON	KD4BGD	53.110	
MT MITCHELL	AB4JJ	53.630	T100.0
MT AIRY	KD4FWS	53.970	PROP
MT AIRY/FANCY GP	KD4FWS	53.070	T100.0
NEWPORT	K4GRW	53.010	PROP
PITTSBORO	KD4JFN	53.230	T107.2
RALEIGH	K4TBL	53.030	
RALEIGH	WB4BD	53.190	PROP
#RANLO	KC4YOZ	53.390	UNCOR
REELSBORO	KF4IXW	53.090	T162.2
ROCKY MOUNT	N4JEH	53.050	
ROCKY MOUNT	KC4SBJ	53.650	PROP
SOPHIA/RANDLEMAN	WR4BEG	53.350	
THOMASVILLE	KE4QGX	53.010	T88.5
THOMASVILLE	W4W4C	53.170	88.5
THOMASVILLE	W4W4C	53.325 +	T88.5
W. JEFFERSON	AB4JJ	53.330	T100.0
WILLIAMSTON	K4SER	53.310	
WILMINGTON	AD4DN	53.430	T88.5
YOUNGSHVILLE	KD4MYE	53.370	T
ZEBULON	WB4IUY	53.070	88.5

2 METERS

AHOSKIE	W4AZGO	146.910	T131.8
ALBEMARLE	K4QGB	146.985	
ANDRWS/ROBNSVL	K4AIH	147.045	T151.4
ANDS MT/DENVER	K4CCR	145.170	88.5
AQUADALE	W4ACHZ	147.390 +	
ASHEBORO	KJ4AV	147.255 +	
#ASHEVILLE	WB4PLA	146.835	UNCOR
ASHV/MT PISGAH	W4ABVW	146.760	
ASHV/SPIVEY MT	W4MOE	146.910	91.5
BAKERSVILLE	KC4WFM	146.310	
BANER ELK/SUGAR	N4WET	146.625	
BENSON	KD4BJD	146.970	PROP
BEULAVILLE	N4VBH	145.230	
BOONE/RICH MTN	W4AJ	147.360 +	T103.5
BREARD	K4HXZ	147.135 +	
BROADWAY	K4ITL	147.105 +	
BURGAW	W4DLH	146.940	
BURLINGTON	K4FHB	146.670	
BURNSVILLE	KD4WAR	146.955	
BURNSVILLE	KD4WAR	147.375 +	
BUTNER	N4NCK	145.370	
BUTNER	W4AIZG	146.825	T156.7
BUXTON	K4USB	146.625	131.8
CANTON	W4DJB	146.805 +	
CARTHAGE	W2SE	147.240 +	
CHAPEL HILL	W4UNC	145.230	T107.2
CHAPEL HILL	K4ITL	147.135 +	T82.5
CHARLOTTE	WB4FB	145.230	
CHARLOTTE	WB4FB	145.290	
CHARLOTTE	W4A4OS	145.350	
CHARLOTTE	WB4FB	146.940	
CHARLOTTE	W4CQ	147.060	
CHARLOTTE	W4CQ	147.270 +	
CHINA GROVE	N4XO	145.410	136.5
#CLAREMONT	WB4SRV	147.225 +	UNCOR
CLAYTON	WB4IUY	147.390 +	T88.5
CLINTON	W4TLP	146.790	
COINJOCK	WN3X	145.290	131.8
#COLUMBIA	KB4TOH	146.835	UNCOR
#CONCORD/KANNAP	K4CEB	146.655	UNCOR
CROSSNORE	KD4GLB	146.700	167.9
DUNN	N4CID	146.700	
DURHAM	WR4AGC	145.450	
DURHAM	W4DLB	147.360 +	
EDEN/STONEVILLE	W44QBG	147.390 +	
EFLAND	W4IYV	147.180 +	T156.7
ELIZABETH CITY	W44VTX	146.655	131.8
ELM CITY	K2IMO	145.150	T88.5
FARMVILLE	K4ROK	145.270	T131.8
FAYETTEVILLE	N4EWS	146.805	
FAYVILLE/CFARS	WB4ZF	146.910	100
FAYVILLE/FT BRAGG	W4LPL	147.330 +	
FOREST CITY	W4ABKU	146.670	
FOREST CITY	W4SIU	147.240 +	T123.0
FRANKLIN	N4TK	145.490	
GASTONIA/CRDR	W4CHZ	147.240 +	T151.4
GASTONIA/SPCR MT	K4NC	146.805	
GIBSONVILLE	N4GAS	147.120 +	
GOLDSBORO	WB4IKY	145.490	T107.2
GOLDSBORO	K4RK	145.330	100.0
GOLDSBORO	K4CYP	146.850	T
GRAHAM	K4GWH	147.375 +	T114.8
GREENSBORO	W4GSO	145.150	
GREENSBORO	W4GSO	145.250	T88.5
GREENSBORO	K4GWH	146.760	T88.5
GREENSBORO	K4GHTN	147.030 +	PROP
GREENSBORO	W4BZU	147.210 +	
GREENVILLE	W4JPO	145.350	T131.8
GREENVILLE/ESTN NC	W4GDF	147.090 +	
GRIFTON	W4NBR	146.685	88.5
HATTERAS ISLAND	K4OBX	145.150	T131.8
HAW RIVER	KD4JFN	146.715	T107.2
HENDERSONVILLE	WB4YAO	146.640	T100.0
HENDERSONVILLE	W4AKNI	147.105 +	
HENDSVL/BERWLW	W4AKNI	145.270	
HENDSVL/PENIC	W4AKNI	147.255 +	
HICKORY/BRT MT	W4ADSZ	146.850	

HIGH PEAK MTN	K4OLC	145.210	94.8
#HIGH POINT	N4CAR	145.290	UNCOR
HIGH POINT	KB4BPV	146.835 +	
HILLSBOROUGH	W4UJA	147.165	
HILLSBOROUGH	W4YSG	147.225 +	
JEFFERSON	W4YSG	147.300	T103.5
KANNAPOLIS	N4JEX	147.300	T136.5
KILL DEVIL HILLS	W4PCN	145.110	131.8
KINSTON	W4OIX	145.470	
#LAURINBURG	K4IAR	146.625	UNCOR
#LENOIR	N4NIN	147.195	UNCOR
LENOIR/HIBRITN	K4NK	147.330 +	T141.3
LEXINGTON	N4LEX	145.310	T88.5
LEXINGTON	K4IZM	146.910	T107.2
LINCOLNTON	N4C4L	147.015 +	141.3
#LUMBERTON	W4NHV	145.150	UNCOR
LUMBERTON	K4NPK	147.045 +	
LUMBERTON	W4PET	147.360 +	T88.5
MACO	W4AED	147.060 +	T88.5
MADISON	W4AIXW	147.345 +	T103.5
MARION	W4PYE	146.985	118.8
MIDWAY	K4MAR	147.270	T77.0
MILLERS CREEK	N4GNG	146.715	
#MONROECAR	N4ZVN	145.390	T94.8
MORGANTON	KC4QPR	146.745	94.8
MORGANTON	K4VLY	147.150 +	
MOUNT AIRY	N4VRD	145.330	T100.0
MOUNT AIRY	N4RY	145.190	
MT MITCHELL	W4ABW	146.865 +	T151.4
MURPHY/STALCUP	KB4YSX	145.370	
N. WILKESBORO	W4HF	146.610	T100.0
NEW BERN	W4JMS	145.450	
NEWPORT	K4GRW	147.075 +	T88.5
NEWTON	K4CCR	147.210 +	
ORIENTAL	W4SLH	145.170	
OXFORD	N4NCK	147.075 +	T146.2
PITTSBORO	KD4JFN	145.430	100.0
RAEFORD	K4VW	145.130	T88.5
RALEIGH	K4GWH	145.390	T156.7
RALEIGH	WB4TOD	145.390	T88.5
RALEIGH	WB4WC	145.490	T88.5
RALEIGH	WB4TOP	146.610	T131.8
RALEIGH	W4DW	146.640	T88.5
RALEIGH	WB4WC	146.730	T88.5
RALEIGH	N4C4S	146.775	T88.5
RALEIGH	WB4TOD	146.880	
RALEIGH	KD4MYE	147.015 +	
RALEIGH/BENSON	K4KH	147.270 +	
RED SPRINGS	W4M2P	147.300 +	
REDSVILLE	N4ITL	146.850	110.5
ROANOKE RAPIDS	W4BZA	147.150	PROP
ROARING GAP	W4BZA	146.810	
ROBBINSVILLE	W4FWM	145.110	T151.4
ROCKINGHAM	K4RNC	146.955	
ROCKY MOUNT	KF4NOV	145.290	PROP
ROCKY MOUNT	W4DCG	146.805	T118.8
ROCKY MOUNT	WN4Z	147.120	131.8
ROLLESVILLE	KF4HFQ	147.315 +	T88.5
ROSEBORO	K4ITL	145.310	
SALISBURY	W4EXU	146.730	T94.8
SAURATOWN MT	W4NC	145.470	T100
SAURATOWN MT	KG4SL	146.790	T107.2
SAURATOWN MT	K4MPJ	147.315 +	T100.0
SHALLOTTE	K4PPD	145.370	
SHALLOTTE	K4PPD	147.315 +	
SHALLOTTE	K4PPD	147.390 +	
SOUTHPORT	W4ZU	146.775	100.0
SPARTA/GREEN MT	K4QFQ	145.430	
STAR/BISCOE	K4IHD	147.090 +	
STATESVILLE	KE4WSX	146.685	
#STATESVILLE	KC4MJC	147.045 +	UNCOR
SWANBORO	KB2XI	146.760	
SYLVA	KF4DLT	147.345 +	151.4
THOMASVILLE	W4TOD	147.000 +	T88.5
TRENTON	WB4TOD	145.210	
TRYON	KF4JVI	145.390	
WADESBORO	W4USH	146.835	
WASHINGTON	W4ATEP	147.345 +	
WAXHAW	W4ZRS	146.865	T94.8
WAYNESVILLE	N4SM	147.270 +	
WAYNESVILLE	N4DTR	147.390 +	
WHITEVILLE	W4NTQ	147.210 +	
WILLIAMSTON	K4SER	145.410	T131.8
WILMINGTON	AD4DN	146.670	T88.5
WILMINGTON	W4VNK	146.730	
WILMINGTON	W4GMP	146.820	T88.5
WILMINGTON	W4AUS	147.135 +	T11.0
WILMINGTON	AC4RC	147.180	T88.5
WILSON	WB4IUY	147.300 +	T88.5
WINSTON-SALEM	W4NC	146.640	T100
YADKINVILLE	N4YSB	147.015	
YOUNGSHVILLE	KD4MYE	145.110	88.5

220 MHZ

ANDRWS/ROBNSVL	K4AIH	224.880	T
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SYMBOLS: @ = Full Member SERA T = Tone Accessed (plus tone freq)
and/or UNCOR = Uncoordinated PROP = Proposed Rpt. Under Const

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

N. CAROLINA REPEATERS CONTINUE

ASHEVILLE	WB4PLA	224.600	
ASHVILLE MT PISGAH	WB4VW	224.260	
BARNSVILLE	WA4NC	224.840	PROP
BARIUM SPRINGS	WA4WS	224.300	
BIG KNOB MARS HIL	KE4ROL	224.660	100.0
BURNSVILLE	KD4WAR	224.840	
CANTON	N4DWU	224.720	
CHARLOTTE	WB4FB	224.400	
CHERRYVILLE	KC4ZTJ	224.960	
#CLEMMONS	WB59SL	224.700	UNCOR
DUNCAN	KM4TC	224.700	T88.5
EDEN	N4IV	224.780	T103.5
EFLAND	W4IYYN	224.660	T107.2
FAYETTEVILLE	WB4YF	224.560	
FRANKLIN	W4UWH	224.100	PROP
GASTONIA	K4AIRA	224.620	T127.3
GOLDSBORO	W3PS	224.960	T156.7
GREENSBORO	WB4GUG	224.440	T107.2
GRIFTON	W4ADAN	224.840	
#GRIMSLAND	WB4PAC	224.360	UNCOR
HAW RIVER	KD4JFN	224.620	T107.2
HENDSVL/BERWLW	WA4KNI	224.240	
HILLSBOROUGH	WR4AGC	224.260	
KERNERSVILLE	KD4LHP	224.820	T107.2
KVILLE/HPOINT	KE4QOX	224.240	T107.2
LENOIR/HIBRITN	KN4K	224.160	
LOCUST	W4DEX	224.480	
MARSHALL	W4ATG	224.360	T
MT MITCHELL	WB4BVV	224.540	
OXFORD	N4NCK	224.740	
RALEIGH	W4RNC	224.640	
ROCKY MOUNT	NF4C	224.220	
ROCKY MOUNT	KR4AA	224.580	
SALISBURY	W4EXU	224.760	
SHELBY	KC4ZTJ	224.480	
SOPHIS/RANDLEMAN	WB4BEG	224.140	T
THOMASVILLE	W4YDC	224.340	T88.5
#THOMASVILLE	W4AKUL	224.520	UNCOR
TRENTON	W4ADAN	224.720	
#WALKERTOWN	W4AROF	224.580	UNCOR
WALKERTOWN	W4AROF	224.640	
WILMINGTON	W4UUS	224.200	T
WILMINGTON	AD4DN	224.500	T88.5
ZEBULON	KD4UJD	224.800	T88.5

440 MHZ

AIR BELLOWS GAP	W4APXV	443.575 +	
ANDRWS/ROBINSVL	WD4NWV	443.600 +	T151.4
ANDRWS/ROBINSVL	K4IAH	442.650 +	T
ANDSN MT/DENVER	K4CCR	444.075 +	88.5
APEX	KD4PBS	442.075 +	PROP
ARCHDALE	KC4KUL	443.300 +	
ASHEBORO	WD4ICX	442.325 +	
ASHEBORO	KD4JYV	443.300 +	PROP
ASHEBORO	KE4AOP	444.975 +	
ASHEVILLE	W4ATOG	442.550 +	
ASHEVILLE	KF4TLA	443.275 +	103.5
AUBURN	N4ZOM	442.275 +	
BREYARD	AG4AZ	442.850 +	
BRYSON CITY	N0SU	443.400 +	T151.4
BURNSVILLE	KD4WAR	443.650 +	
CANTON	KE4UIJ	443.475 +	T156.7
CARY	K4JDR	444.775 +	T100.0
CASTALIA	N4JEH	444.775 +	T107.2
CHAPEL HILL	W4UNC	442.150 +	T
CHAPEL HILL	W4UNC	443.475 +	T131.8
CHARLOTTE	W4PPN	442.250 +	
CHARLOTTE	W4QCO	444.450 +	
CHARLOTTE	W4RFB	444.600 +	T100.0
CHARLOTTE	W4WBT	444.875 +	
CHARLOTTE	W4CQ	444.650 +	
CHERRY MTN	KG4JX	442.500 +	PROP
CHINA GROVE	N4JEA	443.250 +	T136.5
CLAREMONT	WB4SRV	443.775 +	T118.8
CLAYTON	K4JDR	444.150 +	PROP
#COLUMBIA	KB4TOH	443.000 +	UNCOR
COLUMBUS	K4JLA	442.075 +	T103.5
CONCORD	N6CLU	442.675 +	PROP
CRAB CREEK TWP	KB4PCA	443.125 +	
DALLAS/CHARLT	N4IWLX	444.950 +	T136.5
DALLAS/CLT	KC4YOZ	443.850 +	T100.0
DURHAM	WB4AGC	444.100 +	
DURHAM	KB4WGA	444.925 +	T156.7
DURHAM TV HILL	K4JSD	421.250 +	
EFLAND	W4IYYN	442.050 +	T107.2
ELIZABETH CITY	W4VTX	443.300 +	T131.8
FAYETTEVILLE	WB4YFZ	444.400 +	100HZ
FOREST CITY	KC4YOZ	444.400 +	
FRANKLIN	N4DTR	444.375 +	T131.8
GASTONIA/CRWRD	KC4ZTI	443.750 +	
GASTONIA/CRWRD	K4JEA	444.150 +	
GASTONIA/CRWRD	KC4YOT	444.750 +	
GASTONIA/SPCR MT	N4GAS	444.550 +	
GIBSONVILLE	WB4IKY	443.025 +	T107.2
GIBSONVILLE	WB4IKY	443.350 +	T107.2
GOLDSBORO	W3PS	443.050 +	T156.7
GRAHAM	K4GWH	443.725 +	T156.7
GRANTSBORO	KR4LO	444.350 +	

GREENSBORO	K04AT	421.250 +	
GREENSBORO	W4GSO	442.875 +	T88.5
GREENSBORO	KG4BTN	443.650 +	88.5
GREENSBORO	K4GWH	444.225 +	T146.2
GREENSBORO	WB4MTN	444.475 +	107.2
#GREENVILLE	WB4PMQ	444.800 +	UNCOR
HATTERAS ISLAND	K4OXB	444.925 +	T131.8
HAW RIVER	KD4JFN	443.775 +	T107.2
HENDERSON	KG4IWI	442.125 +	PROP
HENDERSON	KB4WGA	444.375 +	PROP
HENDERSONVILLE	W4ATOG	442.450 +	
HENDSVL/BERWLW	WA4KNI	444.250 +	
HICKORY	W4APXV	442.375 +	
HICKORY	K4JEC	444.000 +	
HICKORY	KF4LUC	444.800 +	T94.8
HIGH POINT	W4UJ	443.900 +	
HIGH POINT	KD4JFN	444.025 +	T107.2
HILLSBOROUGH	W4IYYN	443.950 +	PROP
HILLSBOROUGH	W4ACQ	444.450 +	PROP
KANNAPOLIS	N4JEX	443.350 +	T136.5
KERNERSVILLE	KF4DAR	442.975 +	PROP
KERNERSVILLE	KF4IKX	443.325 +	T131.8
#KING/SAURATOWN	KE4QEA	444.200 +	UNCOR
KINSTON	N4HAJ	444.575 +	T88.5
KVILLE/HIGH POINT	KE4QOX	443.700 +	T103.5
LAKE GASTON	KF5TU	442.350 +	T100.HZ
LENOIR/CAJAH MT	N4EUX	443.525 +	
LEXINGTON	K00NTZ	442.275 +	T
LEXINGTON	K4AE	442.425 +	T107.2
LEXINGTON	K4CH	442.925 +	T107.2
LEXINGTON	WD4ICX	444.500 +	
LILLINGTON	W4FBC	444.175 +	PROP
LINCOLNTON	W44YGD	442.350 +	
LOCUST	W44LBT	443.700 +	
LOUISBURG	N4EWS	444.250 +	88.5
LUMBERTON	WB4DVN	444.625 +	
LUMBERTON	KD4BGD	444.700 +	T114.8
MAYDAN	W44WGY	443.975 +	
MCLEANSVILLE	WB4GUG	444.125 +	T
MORG/WALKER TOP	KC4QPR	442.300 +	94.8
MORGANTON	KC4OZL	444.300 +	
MOUNT AIRY	N4XRY	444.925 +	
MT AIRY/FSH PK	KF4UJY	444.825 +	T100.0
MT MITCHELL	N4DWU	443.600 +	
NEW BERN	WD4JMS	444.900 +	T100.0
NEWPORT CCARS	W4YMI	444.975 +	
NEWTON	KE4KIV	442.625 +	
OLD FORT	KR4EX	444.775 +	
PIKEVILLE	KI4RK	443.000 +	PROP
PINEY KNOB	KC4KPW	443.875 +	T103.5
PITTSBORO	K1BUD	442.550 +	T
PITTSBORO	KD4JFN	444.750 +	T146.2
POLKVILLE	KC4ZTJ	444.975 +	
RALEIGH	K4SCS	442.025 +	PROP
RALEIGH	N4LMR	442.450 +	
RALEIGH	W4MLU	442.575 +	T156.7
RALEIGH	N4CSU	442.675 +	100.0
RALEIGH	W4ANNA	443.125 +	
RALEIGH	N4ZCM	443.225 +	T
RALEIGH	W1IFL	443.375 +	T
RALEIGH	W4RNC	444.525 +	T88.5
RALEIGH	K4GWH	444.825 +	T146.2
RALEIGH	KD4RAA	444.875 +	T100.0
RES. TRIANGLE PK	W4IYYN	443.425 +	T156.7
ROANOKE RAPIDS	K4ABQM	444.550 +	T192.8
ROARING GAP	KC4XE	443.550 +	
ROCKY MOUNT	N4JEH	443.700 +	T107.2
ROCKY MOUNT	N4JEH	444.700 +	
ROCKY MOUNT	KG4IWI	444.725 +	PROP
ROLLSVILLE	KF4HFQ	444.950 +	PROP
ROUGEMT/RED MT	W44WTX	443.275 +	100.0
ROXBORO	N4LWK	442.175 +	PROP
SALISBURY	W4HG	443.150 +	
SALISBURY	W4IYYN	442.825 +	
SAURATOWN MT	KE4QOX	443.100 +	T88.5
SAURATOWN MT	WB4GUG	443.400 +	T107.2
SELMA	KI4RK	444.000 +	
SOPHIA/RANDLEMAN	WR4BEG	443.075 +	
SOUTHERN PINES	KD4QMS	444.800 +	T118.8
SPINDALE	KC4IEV	443.300 +	T123.0
SPIVEY'S CORNER	KD4DMS	442.875 +	
#STANFIELD	W4DEX	443.200 +	UNCOR
STATESVILLE	N4VOZ	443.450 +	
STATESVILLE	A4G4A	444.700 +	PROP
TARBORO	N4JH	444.500 +	T100.0
TAYLORSVILLE	W4ERT	441.625 +	T151.4
TAYLORSVILLE	W4ERT	441.725 +	PROP
TAYLORSVILLE	W4ERT	442.950 +	T151.4
THOMASVILLE	W4WDC	442.900 +	T88.5
#WALKERTOWN	W4AROF	444.775 +	UNCOR
WAXHAW	W44ZRS	444.525 +	T94.8
WAYNESVILLE	N4DTR	444.450 +	
WENTWORTH	N4IV	442.100 +	PROP
WEST JEFFERSON	N4BJJ	443.500 +	PROP
WILLIAMSTON	K4SER	444.250 +	T131.8
WILMINGTON	N4JUD	442.075 +	T88.5
WILMINGTON	W4UUS	442.175 +	
WILMINGTON	W4UUS	442.200 +	T
WILMINGTON	K4YNY	442.500 +	T88.5

WILMINGTON	AD4DN	443.400 +	T88.5
WILMINGTON	W4UUS	443.850 +	
WILMINGTON	W4UUS	443.950 +	
WILMINGTON	W4UUS	444.200 +	
WILMINGTON	W4UUS	444.450 +	
WILMINGTON	W4UUS	444.650 +	
WILMINGTON	K4GMP	444.850 +	T88.5
WINSTON	W4UJ	442.875 +	T127.3
WINSTON-SALEM	KU4MC	442.575 +	PROP
WINSTON-SALEM	W4NC	444.275 +	PROP
WINSTON-SALEM	KD4AMP	444.725 +	T107.2
YADKINVILLE	N4AAD	442.800 +	T100.0
YOUNGSHIRE	KD2LH	443.200 +	T88.5
ZEBULON	WB4IUY	442.400 +	88.5
ZEBULON	KD4UJD	442.300 +	

920 MHZ

RALEIGH	W4FAL	920.800 -	T156.7
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1270 MHZ

#CHARLOTTE	W4PPN	1253.250 +	UNCOR
CONCORD	N6CLU	1285.000 -	PROP
GASTONIA/CRWRD	AD4JN	1285.000 -	UNCOR
WILMINGTON	AD4DN	1231.410 -	88.5
ZEBULON	WB4IUY	427.250 +	

SOUTH CAROLINA

10 METERS

SUMTER	W4GL	29.660 -	
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6 METERS

BISHOPVILLE	K4NOC	53.090 -	PROP
CHESTER	KF4SXO	53.290 -	
GILBERT	KD4GYM	53.270 -	T162.2
GVL/CSR'S HEAD	K04MZ	53.410 -	T131.8
LITTLE MOUNTAIN	K4ASU	53.190 -	T156.7
MOUNTAIN REST	K4IWA	53.310 -	
ORANGEBURG	AD4U	53.210 -	PROP
ORANGEBURG	AD4U	53.210 -	PROP
SUMTER	W4GL	53.770 -	

2 METERS

ADAMS RUN (CHAS)	KF4CDR	147.345 +	T
AIKEN	KY4S	145.170 -	
AIKEN	N4ADM	147.285 +	
ANDERSON	N4AW	146.970 -	
ANDERSON/SAS MT	N4AW	146.750 -	
AWENDAW	K4LWS	147.300 +	T103.5
BAMBERG	W4ADFP	145.330 -	
BARNWELL	KF4CVO	147.030 +	T156.7
BEAUFORT	W4IAR	145.310 -	
BEAUFORT	KD4KOJ	146.655 -	
BISHOPVILLE	K4NOC	145.170 -	T123.0
BISHOPVILLE	W4APE	146.925 -	
CAMDEN	KT4ZN	146.820 -	PROP
CHARLESTON	W4AUSN	145.250 -	123.0
CHARLESTON	W4AUSN	146.790 -	
CHARLESTON	KY4YW	146.835 -	
CHARLESTON	KF4CDR	146.940 -	
CHARLESTON AREA	W4ANK	147.270 +	
CHERAW	W4APE	145.490 -	
CHESTER	W4CHR	145.310 -	
CHESTER	KF4SXO	146.625 -	
CHESTERFIELD	KF4GPE	147.135 +	
CLEMSON UNIV	WD4EOG	145.450 -	T
COLUMBIA	KD4GYM	145.270 -	T127.3
DILLON/PEE DEE	NN4N	146.745 -	
EASTOVER	KT4BU	147.075 +	T156.7
FLORENCE	W4UJH	146.850 -	
FLORENCE	W4GEY	146.970 -	
FLORENCE	W4APE	147.195 -	
FORT JACKSON	KF4GHC	146.775 -	T156.7
FORT MILL	WZ4SC	145.110 -	
FORT MILL	W4DXA	147.180 +	
GAFFNEY	KN4RG	145.470 -	T141.3
GEORGETOWN	K4ICB	147.375 +	T179.9
GILBERT	KF4GHC	145.430 -	T156.7
GREENEVILLE	KG4ACH	145.230 -	
GREENVILLE	W4IQQ	146.940 -	T
GREENWOOD	W4AJK	145.130 -	123.0
GREENWOOD	W4GWD	147.165 -	107.2
#GREENWOOD	K4LEO	147.375 -	UNCOR
GRNVLE/CSRS HD	W4NYK	146.610 -	
GRNVLE/PARIS MT	W4NYK	146.820 -	
HILTON HEAD	W4IAR	147.240 +	T
INMAN	K8HID	145.150 -	
LANCASTER	W4PAX	146.700 -	
LANCASTER	AC4VT	147.240 +	T88.5
LAURENS	KD4HLH	146.865 -	T107.2
LEESVILLE	W4RRC	147.255 +	T123.0
LEXINGTON	NS4SC	145.290 -	
LEXINGTON	K4AFCF	146.210 +	
LITTLE MT	K4AVU	147.210 +	
MARION	W4AMRV	147.000 -	
MONCKS CORNER	WD4NUJ	147.150 +	T
MOUNTAIN REST	KJ4UL	147.030 -	PROP
MT PLEASANT	K4ESG	146.760 -	T

SERA REPEATER LISTINGS - BY STATE - BY CITY... continue

S. CAROLINA REPEATERS CONTINUE

MT. PLEASANT	N7GZT	145.450	T
MYR BCH/BRKS/SLV	N4LV	147.285	+
MYR BCH/CONWAY	W4GS	145.110	+
MYR BCH/CONWAY	K4CIB	145.470	T179.9
MYRTLE BEACH	W4GS	145.290	85.4
MYRTLE BEACH	W4GS	147.120	+
N. AUGUSTA	K4NAB	146.730	T
#N. MYRTLE BEACH	K4NMB	147.030	UNCOR
N. SPARTANBURG	N4UZT	147.315	T141.3
ORANGEBURG	KF4ATU	146.805	T156.7
ORANGEBURG	KF4IM	146.880	T118.8
ORANGEBURG	KF4ATU	147.090	T156.7
PAGELAND	W4APE	146.895	+
PICKENS	WB4PKZ	146.700	+
PICKENS	WB4YXZ	147.000	+
PUMPKINTOWN	KU4ZS	145.290	PROP
SANTEE	W4DTW	147.225	+
SENECA/LONG MT	W4AJRJ	147.270	+
SIMPSONVILLE	W4AUKX	146.730	100.0
SPARTANBURG	K4JLA	147.090	+
ST. MATTHEWS	AD4U	146.670	T156.7
SUMMERVILLE	W4HNK	147.180	123.0
SUMTER	K4JR	145.130	+
SUMTER	W4GL	146.840	+
SUMTER	W4GL	147.015	156.7
UNION	K4USC	145.250	+
UNION	K4USC	146.685	+
WALTERBORO	KG4BZN	147.135	T
WHITE HALL	W4BWZ	146.910	+
#WHITE OAK MTN	W4RCW	147.285	UNCOR

220 MHZ

BISHOPVILLE	K4NOC	224.860	+
CHARLESTON	K4NRL	224.180	+
COLUMBIA	KC4GYM	224.640	T162.2
COLUMBIA	KC4SWI	224.640	+
FLORENCE	N4JJ	224.940	+
FORT MILL	W24SC	224.800	+
GREENVILLE	W4LY	224.200	+
GRNVL/DOWNTWN	W4NYK	224.920	88.5
LITTLE MTN	K4RWN	224.520	+
ORANGEBURG	KO4BR	224.780	+
PICKENS	AC4RZ	224.280	+
PICKENS	WB4QHF	224.400	T131.8
PICKENS/CSRS HD	WB4QHF	224.140	T131.8
PICKENS/SASFR MT	W4IT	224.320	+
SUMTER	W4GL	224.120	+
WEST SPRINGS	KN4CW	224.440	+

440 MHZ

AIKEN	AC4WW	443.400	+ T107.2
BISHOPVILLE	K4NOC	444.500	+ T23.0
#BLUFFTON	W4AMPZ	442.675	UNCOR
CHARLESTON	KF4CDR	442.775	T
CHARLESTON	N4MNH	444.300	+
CLEMSON UNIV.	WD4EOG	444.625	T156.7
COLUMBIA	KF4GHC	444.200	T156.7
COWPENS	KE4EAN	444.205	T136.5
EASLEY/SAS MTN	AC4RZ	444.925	T103.5
FORT MILL	W24SC	443.475	+
GAFNEY	KC4IEV	442.000	114.8
GILBERT	NSCWH	444.500	PROP
GREENVILLE	KB4PQA	442.250	+
GREENWOOD	W4GWD	443.900	107.2
GRNVL/PARIS MT	ND4N	443.350	+
KNIGHTSVILLE	W4AUSN	441.350	+
LAURENS	KD4HLH	443.175	T146.2
LAURENS	KF4Y	443.775	T141.3
LIBERTY	N4VDE	443.975	PROP
LITTLE MT	NK4W	442.975	T162.2
MOUNTAIN REST	AE4PKZ	442.775	T127.3
MT. PLEASANT	W4AUSN	441.450	PROP
MT. PLEASANT	KD4CHL	444.875	+
MYR BCH/BRKS/SLV	N4LV	444.525	+
MYR BCH/CONWAY	W4GS	444.675	+
MYRTLE BEACH	K2P	444.575	85.4
NO. CHARLESTON	KF4YW	442.200	+
ORANGEBURG	N7GZT	442.200	+
ORANGEBURG	WM30	444.975	+
PICKENS	WB4PKZ	442.125	+
PICKENS/CSRS HD	WB4QHF	442.400	T127.3
SIMPSONVILLE	N4GLB	442.725	+
SUMMERVILLE	KC4ED	442.300	T
SUMMERVILLE	W4HNK	443.800	+
SUMTER	W24O	442.250	+
SUMTER	W4GL	444.150	123.0
UNION	K4USC	442.100	PROP

TENNESSEE

BEACON

GREENVILLE	WB4NKM	222.058	
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10 METERS

GALLATIN/BNA	W4CAT	29.640	T107.2
GREENVILLE	WB4NKM	29.640	
MEMPHIS	W4ZJM	29.620	T#

SPRINGFIELD	N81TF	29.680	88.5
TELLICO PLAINS	AJ4JD	29.620	PROP

6 METERS

CHATTANOOGA	K4VCM	53.350	+
COOKEVILLE	W4UJCE	53.190	PROP
DRESDEN	KE4OVN	53.710	T107.2
GALLATIN	W4ABGK	53.050	T114.8
GRAY/HOLSTON MT	WM4T	53.010	+
KINGSFORD	K4GX	53.430	PROP
KNOXVILLE	N4OQJ	53.550	PROP
KNOXVILLE	W4BBB	53.770	PROP
KNOXVILLE	WB4IOB	53.150	+
LA FOLLETTE	K4BGW	53.170	PROP
MARYVILLE	KC4PDQ	53.370	+
MCNAIRY	NU5O	53.350	T107.2
MEMPHIS	W44KGO	53.010	+
MEMPHIS	K4RDK	53.550	+
MEMPHIS	W4GMM	53.930	T107.2
MONTEAGLE MTN	NQ4Y	53.450	114.8
MORRISTOWN	KF4TD	53.030	PROP
MORRISTOWN	KQ4E	53.230	+
NASHVILLE	W4ABGK	53.010	T114.8
NASHVILLE	N4ARK	54.210	+
OAK RIDGE	WD4GYN	53.110	+
ROAM MTN	KD4SQB	53.310	+
#ROGERSVILLE	K4GX	53.750	UNCOR
SPRINGFIELD	N81TF	53.150	107.2
Waverly	NQ4Q	53.090	+

2 METERS

ALAMO	WB4EDS	147.135	+
ANDERSON CTY	KF4BVO	146.700	T100.0
ARNOLD A.F.B.	KC4FV	147.195	+
ATHENS	KG4FZR	145.150	T141.3
ATHENS	W4APNI	145.310	T141.3
BENTON	K4SIR	145.450	T
BLOUNTVILLE	W4CBX	147.000	+
BOLIVAR	WD4OZN	147.045	+
BRADLEY	W4AKOG	145.490	+
BRISTOL	W4UD	146.670	+
BRISTOL	WD4CYZ	146.880	+
BROWNVILLE	KD4AOK	146.655	+
BRSTL/HOLSTN MT	K4JP	146.760	+
BRUCETON	KF4SCT	145.170	T107.2
BUCKSNORT	KF4SCT	145.430	T107.2
CARLISLE	K74WS	145.250	+
CARTHAGE	N4QMT	145.190	+
CHATTANOOGA	K4CMT	145.130	+
CHATTANOOGA	W4AM	145.290	T118.8
CHATTANOOGA	W4AM	145.390	+
CHATTANOOGA	W4AM	146.610	+
CHATTANOOGA	W4AM	146.790	+
CLARKSVILLE	WD4SGA	147.000	+
#CLARKSVILLE	KF4L	147.390	UNCOR
CLEVELAND	W4GXZ	146.925	+
CLEVELAND	KD4NEC	147.105	PROP
CLEVELAND	WD4DES	147.180	T118.8
COLLEGE DALE	K4GUVH	147.000	+
COLLIERVILLE	W74E	145.330	PROP
COLUMBIA	W4GGM	147.120	+
COOKEVILLE	NQ4Y	145.110	+
COOKEVILLE	W4UJCE	145.430	+
COOKEVILLE	N4WS	147.210	+
CORNERSVILLE	KF4TNP	146.625	PROP
CROSS PLAINS	K4BBN	147.345	+
CROSSVILLE	W4EYJ	146.805	+
CROSSVILLE	KF4DPU	146.865	+
CROSSVILLE	KF4HNV	146.895	PROP
CUMBERLAND CITY	WD4DBJ	145.330	+
CUMBERLAND CITY	W4TLZ	146.925	T127.3
DANDRIDGE	WD4EGD	146.895	T
DAYTON	K4PHT	147.345	+
DAYTON/RHEA CTY	KD4PD	147.390	+
DICKSON	KN4LD	147.375	+
DOVER	N4VH	145.410	+
DRESDEN	KE4OVN	145.350	T107.2
DYERSBURG	WB4RCK	146.745	+
ELIZON/HOLST MT	KF4ZOA	145.290	+
ERWIN/PINKS CTY	N4WXS	145.250	T
EVA	AD4QG	147.090	+
FAYETTEVILLE	W4BV	147.030	+
FRANKLIN	W4XS	145.150	+
FRUITLAND	KF4SCT	146.775	T107.2
GALLATIN	N4SSB	145.130	T107.2
GALLATIN	W4KLZ	147.240	T114.8
GALLATIN	W4AGC	147.270	T114.8
GALLATIN	W4CAT	147.300	T114.8
GERMANTOWN	W2GLJ	145.210	+
GRAY	WM4T	145.110	+
GREENBRIER	WQ4E	147.075	T107.2
GREENEVILLE	W4WC	145.390	+
GREENEVILLE	WB4NKM	145.410	173.8
GRNVL/VIKING MT	KB4UG	147.060	+
HARRIMAN	K4QYI	146.640	T100.0
HARRIMAN	K4CWH	146.745	+
HENDERSON	K4TC	147.105	T
HENDERSVILLE	WB4WZK	145.270	T
HUNTINGDON	KB4YTM	146.835	+
JACKSON	KD4GCT	145.110	+

JACKSON	KF4SC	145.310	+
JACKSON	W4FO	147.210	T107.2
JACKSON	WB0TMC	147.270	+
JAMESTOWN	K4NLP	147.090	T100.0
JASPER	KD4XV	145.190	T127.3
JOHNSON CITY	W4ABR	146.790	+
JOHNSON CITY	KE4FH	147.270	+
JONESBOROUGH	WD4OBW	146.925	+
KINGSPT/BAYS MT	W4TRC	145.470	+
KNOXVILLE	WB4GBI	145.170	+
KNOXVILLE	W4ATEM	145.330	+
KNOXVILLE	KB4KIC	145.370	+
KNOXVILLE	WB4YLC	145.430	+
KNOXVILLE	WB4GBI	146.625	T100.0
KNOXVILLE	WB4GBI	146.940	+
KNOXVILLE	WB4GBI	147.075	+
KNOXVILLE/RACK	W4BBB	145.210	T100.0
KNOXVILLE/RACK	W4BBB	147.300	T100.0
KNOXVILLE/RACK	WB4IOB	146.730	+
LAFAYETTE	KC4ECD	145.310	T151.4
LAFOLLETTE	K4BGW	146.670	+
LAVERNE	W4CAT	145.230	+
LAWRENCEBURG	W4RDM	146.655	T
LEBANON	W4LYR	147.105	T100.0
LEWISBURG	WB4YXX	146.805	UNCOR
LIVINGTON	N2UP	147.045	+
MANCHESTER	W4UOT	146.700	T114.8
MARTIN	N4ABU	146.625	+
MARYVILLE/ALCOA	W4QLB	146.655	+
MAYNARDVILLE	KB4KIC	145.230	+
MCMINN/SHST MT	WB4LHO	145.490	+
MCNAIRY	KF4SCT	147.075	T107.2
MEDINA	W4ARWK	146.970	+
MEMPHIS	KF4SCT	145.130	T107.2
MEMPHIS	K0JUI	145.150	+
MEMPHIS	KSFE	145.410	T107.2
MEMPHIS	W4AKOG	145.450	+
MEMPHIS	WB4KQO	146.640	+
MEMPHIS	KE4LFZ	147.390	T107.2
MEMPHIS	W4KIB	146.790	T107.2
MEMPHIS	W4BS	146.820	T
MEMPHIS	W4AKOG	146.850	+
MEMPHIS	W4AKOG	146.880	+
MEMPHIS	N4BSM	146.940	T107.2
MEMPHIS	W4ZJM	145.000	T#
MEMPHIS	W4EM	147.030	+
MEMPHIS	W4AMQK	147.060	+
MEMPHIS	W4GMM	147.090	T107.2
MEMPHIS	N4VAH	147.120	T107.2
MEMPHIS	W4AKOG	147.180	+
MEMPHIS	W4AADT	147.300	107.2
MEMPHIS	W4BS	147.360	T107.2
MONTEAGLE MTN	NQ4Y	145.410	T114.8
MORGAN COUNTY	WD4ORB	147.330	T82.5
MORRISTOWN	KQ4E	145.450	+
MORRISTOWN	KQ4E	147.030	+
#MORRISTOWN	KQ4E	147.390	UNCOR
MOUNTAIN CITY	KF4RBR	145.470	103.5
#MT PLEASANT	KF4GZD	145.450	UNCOR
MURFREESBORO	WB4LHO	145.170	+
NASHVILLE	N4ARPS	145.130	PROP
NASHVILLE	N4ARK	145.210	+
NASHVILLE	N4ARK	145.250	+
NASHVILLE	WR3S	145.370	+
NASHVILLE	N4ARK	145.470	+
NASHVILLE	W4APCD	146.610	T
NASHVILLE	W4APCD	146.760	T114.8
NASHVILLE	W4SQE	146.790	T
NASHVILLE	W4AY	146.850	T114.8
NASHVILLE	W4APCD	146.880	T
#NASHVILLE	N7AL	146.955	UNCOR
NASHVILLE	K4PRD	146.985	+
NASHVILLE	AF4TZ	147.120	T
NASHVILLE	K4ZGA	147.180	T114.8
NASHVILLE	AF4TZ	147.360	T
NASHVILLE W	AF4TZ	146.640	T114.8
NASHVILLE W	AF4TZ	146.670	T114.8
NASHVILLE WEST	W4APCD	147.150	T114.8
NASHVIL/FAIRVIEW	N4ARK	145.110	151.4
NOLANSVILLE	WD4JYD	145.350	114.8
OAK RIDGE	W4SKH	146.880	+
OAK RIDGE	W4SKH	146.970	+
OAK RIDGE	K4EJ	147.120	T82.5
OAK RIDGE	K4EJ	147.150	T82.5
OKFELD	W4ABU	147.320	T
PARIS	K4KLX	147.360	+
PETROS/FRZ HD MT	KJ4SI	147.255	+
PIGEON FORGE	KD4CLA	145.270	T100.0
PIKEVILLE	KF4JPT	147.285	+
PULASKI	WD4RBJ	147.330	PROP
PULASKI/MUSIC MT	W4JVO	146.775	+
PURYEAR	W4ACEX	147.165	+
RAMER	WB4MMI	146.700	T107.2
RCKWD/MT ROSLV	A4AKS	147.015	+
RIDGETOP	KD4XC	145.290	114.8
RIPLEY	KE4NTL	145.230	T100.0

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

TENNESSEE REPEATERS CONTINUE

ROGERSVILLE	KD4HZN	147.315	T114.8
SALTILLO	KB4JUB	146.715	
SARDIS	FA4CO	147.195	
SALMER	WB4MMI	146.805	T107.2
SHILOH	KF4SCT	145.290	T107.2
SPARTA	N4ARK	147.315	T123.0
SPARTA/WHITE	KR4BT	147.165	T123.0
TELLICO PLAINS	AJ4D	147.315	T141.3
TRENTON	KN4KP	146.865	
UNION CITY	WA4YGM	146.700	
UNION CITY	KF4SCT	147.015	T107.2
WALLAND	KF4ARH	146.685	T88.5
WATERTOWN	KD4EHL	146.730	T100.0
WATERTOWN	W4LYR	146.835	T100.0
W4VERLY	NO4Q	147.225	UNCOR
WINCHESTER	AB4SU	146.820	

220 MHZ

BLOUNTVILLE	W4CBX	224.200	
CHATTANOOGA	K4VCM	224.780	
COLLIERVILLE	KB4YGI	224.400	
ERWIN	K8FRF	224.180	88.5
GALLATIN	W4CAT	223.980	
GALLATIN	KD4VUV	224.700	
GATLINBURG	W4UWH	224.620	
GRAY	WM4T	224.900	
GREENBRIAR	WQ4E	224.800	
GREENBRIAR	WQ4E	224.760	
GREENEVILLE	WB4NKM	224.940	
HERMITAGE	WB4SJ	223.900	
JC BUFFALO MT	KE4FH	224.780	
KNOXVILLE	WB4GBI	224.340	
KNOXVILLE	N4CQJ	224.380	PROP
KNOXVILLE	N4KFI	224.580	100.0
KNOXVILLE	K4PCK	224.760	T103.5
KNOXVILLE/RACK	W4BBB	224.500	
KNOXVILLE/RACK	KB4FZK	224.220	T100.0
LAVERGNE	WR3S	224.360	
LAVERGNE	W4ZJM	223.940	T#
MEMPHIS	W4BS	224.420	
MEMPHIS	W4AKOG	224.780	
MORRISTOWN	KC4RGQ	224.640	
MURFREESBORO	KD4ITZ	224.600	PROP
NASHVILLE	WR3S	224.160	
NASHVILLE	KC4TFQ	224.440	UNCOR
NASHVILLE	WR3S	224.480	PROP
NASHVILLE	K4ZGA	224.460	
NASHVILLE	WR3S	224.660	
NASHVILLE	N4PY1	224.740	T100.0
NASHVILLE	KC4PRD	224.840	
NASHVILLE	WA4PCD	224.940	T
NEWPORT	AC4JF	224.560	T100.0
ONEIDA	KB4PNG	224.140	
ROGERSVILLE	KD4HZN	224.480	PROP
S. PITTSBURG	WR3S	224.780	
SE NASHVILLE	WR3S	224.960	
SE NASHVILLE	KD4IBW	224.700	T100.0
SE NASHVILLE	KD4IBW	224.700	
SHORT MTN.	N4PY1	224.260	T114.8
SIGNAL MT.	W4LOC	224.920	PROP
SMITHVILLE	WR3S	223.960	
SPRINGFIELD	N81TF	224.400	PROP
SPRINGFIELD	N81TF	224.540	T
SWEETWATER	WD9JG	224.900	

440 MHZ

ALAMO	WB4EDS	443.750	
ARNOLD A.F.B.	KC4FV	443.950	
BARTLETT	K4VVM	443.700	T107.2
BARTLETT	WA4PAJ	444.250	
BETHPAGE	KD4YUX	442.200	T107.2
BERRY SANDY	W4LB	443.600	114.8
BRLST/HOLSTN MT	K4JP	444.500	
CHATMNTLAKE MT	KD4UWA	444.875	T156.7
CHATWALDEN	AF4ZJ	442.425	
CHATT/HIXSON	N4WT	442.900	
CHATTANOOGA	WJ8J	442.150	
CHATTANOOGA	KT4OL	443.125	PROP
CHATTANOOGA	KT4OL	443.125	PROP
CHATTANOOGA	WB4LRD	443.550	
CHATTANOOGA	KD4HH	443.900	T
CHATTANOOGA	W4AM	444.100	
CHATTANOOGA	KD4HH	444.200	
CLARKSVILLE	WA4BZU	444.325	T107.2
CLARKSVILLE	KF4GP	444.950	T167.9
CLEVELAND	WD4DES	442.250	T118.8
CLEVELAND	W4GZX	444.275	
COLLEGE DALE	K6A8UH	443.575	
COLLIERVILLE	K4TEUC	443.300	T
COLLIERVILLE	K4TEUC	443.625	T107.2
COLLIERVILLE	WT4E	444.625	T107.2
COLUMBIA	W4RMD	442.725	
COLUMBIA	WA4AKM	444.925	T107.2
COCKEVILLE	W4ACE	442.300	T
COCKEVILLE	N4QY	444.550	T107.2
CROSSVILLE	W4EYJ	444.950	T118.8
CUMBERLAND CITY	WD4DBJ	443.400	
DAYTON	KJ4BJ	442.075	
DEASON	WA4AWI	443.350	T107.2

DECATUR	KE4MBR	442.725	PROP
DOVER	N4VH	444.925	
DRESDEN	K4BN1	442.150	
DRESDEN	KE4OVN	443.850	T107.2
ETOWAH	KF4CFO	442.275	141.3
EVA	AD4QG	443.625	
FRANKLIN	WA4AKM	444.725	T107.2
GALLATIN	WD4BKU	444.000	T107.2
GALLATIN	WD4BKU	444.350	T114.8
GALLATIN	W4CAT	444.450	T107.2
GALLATIN	WA4AKM	444.775	T107.2
GEORGETOWN	WD4OAR	442.925	T
GERMANTOWN	W2GLJ	444.175	
GOODLETTSVILLE	KC4PRD	443.125	T
GRAY	WM4T	442.200	T100.0
GREENBRIAR	WQ4E	444.250	
GREENEVILLE	WB4NKM	444.650	T100.0
GREENEVILLE	K4GX	444.950	PROP
GRNVLK/KNK MT	W4WC	443.200	100.0
HARRIMAN	KC4WHL	442.875	T136.5
HARRIMAN	KC4WHL	444.025	
HENDERSON	KE4PFW	442.275	
HENDERSON	K4TC	444.750	T
HICKORY VALLEY	K44JXT	443.125	T
HOHENWAD	WB4NNX	442.000	
HUNTINGDON	KB4TYM	444.375	
JACKSON	KE4CES	442.900	
JACKSON	WB0TMC	444.725	T107.2
JAMESTOWN	KC4MJN	443.625	T100.0
JASPER	KD4XV	442.050	T127.3
JEFFERSON CITY	KD4TUD	444.625	T
JOHNSON CITY	KE4FH	444.100	
JOHNSON CITY/BUF	WD4ATV	421.250	
JOHNSON CITY/HOL	WB4SQC	442.050	T100.0
KNOX/ENGLSH MT	WB4HP	444.600	
KNOXVILLE	WB4HP	442.500	T103.5
KNOXVILLE	KD4OBX	443.950	
KNOXVILLE	WB4BI	444.300	
KNOXVILLE	KB4KSL	444.325	
KNOXVILLE	KD4IBW	444.525	T100.0
KNOXVILLE	KD4TZD	444.925	
KNOXVILLE/RACK	W4BBB	444.575	T100.0
LAFAYETTE	KC4ECD	444.125	T107.2
LAFAYETTE	KB4OTK	443.700	
LAKE CITY	WD4LUR	442.800	T100.0
LAVERGNE	WR3S	443.975	T
LEBANON	WA4AWI	443.275	T107.2
LEBANON	W4LYR	443.575	T100.0
LEBANON	WA4AXH	444.275	
LEWISBURG	KF4TNP	442.100	PROP
LEWISBURG	KF4TNP	444.075	PROP
LORETO	KF4OCK	442.875	203.5
MARYVILLE	KF4BLT	442.000	
MARYVILLE	KC4PDQ	444.075	100.0
MCKENZIE	KD4KPV	443.875	
MCKENZIE	KF4SCT	444.550	T107.2
MEDINA	WA4BJU	442.050	
MEMPHIS	W4GMM	442.175	T107.2
MEMPHIS	WB4EPG	442.625	
MEMPHIS	WF4G	442.825	
MEMPHIS	W4ZJM	443.000	T*
MEMPHIS	K44JXT	443.100	T107.2
MEMPHIS	K44JXT	443.125	T
MEMPHIS	W4BS	443.200	T107.2
MEMPHIS	WA4QWW	443.400	
MEMPHIS	N4ER	443.950	T
MEMPHIS	K4RDK	444.025	
MEMPHIS	KF4ATY	444.075	T
MEMPHIS	K44JXT	444.100	T
MEMPHIS	K44JXT	444.125	T
MEMPHIS	K44KOG	444.400	
MEMPHIS	N4WAH	444.500	T
MEMPHIS	K4VJ	444.800	
MEMPHIS	K5FE	444.825	T
MEMPHIS	K7AG	444.850	T107.2
MEMPHIS	WB4NNE	444.950	
MILAN	WD4PAX	442.100	
#MONTEAGLE MT.	NQ4Y	441.250	UNCOR
MORRISTOWN	KQ4E	444.975	T
MOUNTAIN CITY	KF4RBR	443.925	T103.5
MT JULIET	N4PY1	444.400	T
MT JULIET	N4PY1	444.750	T156.7
MT PLEASANT	KF4TNP	443.175	PROP
MURFREESBORO	KD4ITZ	441.875	PROP
NASHVILLE	AF4TZ	442.250	
NASHVILLE	KB5JC	443.725	T
NASHVILLE	N4PY1	444.050	T107.2
NASHVILLE	AF4TZ	444.150	T107.2
NASHVILLE	N4ARK	444.200	T
NASHVILLE	N4ARK	444.225	T114.8
NASHVILLE	WA4BZU	444.300	T107.2
NASHVILLE	WA4BGK	444.525	T107.2
NASHVILLE	WA4PCD	444.550	
NASHVILLE	WA4TPO	444.625	T107.2
NASHVILLE	WA4PCD	444.675	T
NASHVILLE	N4PY1	444.800	T109.9
NASHVILLE	WA4AKM	444.875	T107.2
NASHVILLE	WA4AKM	444.975	T107.2
NOLANSVILLE	WA4AXH	443.650	T

OAK RIDGE	K4EAJ	444.400	T82.5
OAKFIELD	WA4BJY	442.200	T
PARIS	AD4RL	443.675	
PIGEON FORGE	KD4CLA	444.350	T156.7
PULASKI	WD4RBJ	442.150	PROP
RAUER	WB4MMI	444.900	T
ROCKWOOD/OZONE	WJ8J	442.225	
ROGERSVILLE	K4GX	443.350	T
SEVIERVILLE	KD4IBW	443.675	T100.0
SEVIERVILLE	N4CKB	444.725	T123.0
SHELBYVILLE	KC4KRM	443.825	
SHRT MT/MURFRE	W4CAT	444.650	T107.2
SIGNAL MT.	K4LOQY	444.150	PROP
SMITHVILLE	N4PY1	444.825	T107.2
SODDY DAISY	WJ8J	444.450	
SPARTA	KR4BT	444.375	T123.0
SPENCER	K4MHJ	443.775	T123.0
SPRINGFIELD	N81TF	442.500	T
SUMMITVILLE	N4ZKR	444.475	T107.2
WATERTOWN	W4LYR	444.900	T100.0
W4VERLY	NO4Q	442.225	T109.9
WHITE HOUSE	W4KOC	443.900	T107.2

920 MHZ

MORRISTOWN	KQ4E	920.800	
NASHVILLE	K4ZGA	923.250	

1270 MHZ

MEMPHIS	N4HKS	1292.000	
NASHVILLE	WA4AKM	1284.400	
SMITHVILLE	WA4AKM	1286.500	

VIRGINIA

10 METERS

FANCY GAP	KE4GOX	29.660	T123.0
NEWPORT NEWS	W4CM	29.600	
STERLING PARK	KD4DN	29.680	

6 METERS

ALEXANDRIA	W4HFF	53.130	
AMELIA	WB3R	53.390	
AMELIA COURTHSE	KB4YKV	53.110	
BALDPTMT	AD4CQ	53.910	
BEDFORD/THAX MT	N4CH	53.150	
BULL RUN	K4P	53.500	
CHESTERFIELD	KD4SUU	53.430	
DANVILLE/DC	WB4GUG	53.130	T
FANCY GAP	W4COK	53.290	T100.0
GATE CITY	N4WBB	53.210	
GUM SPRING	KB4MIC	53.070	203.5
HAMPTON	WA4OHX	53.890	
LEXINGTON/ROCK MT.	K4ZR	53.010	
LYNCHBURG	KE4KEH	53.570	103.5
MCCLEAN	KB4LEW	53.370	
NEWPORT NEWS	K4TQW	53.250	T
PEARISBURG	KE4LYN	53.470	T107.2
RICEM	KE4SFU	53.170	
ROANOKE	N4CH	53.250	
ROANOKE/POOR MT	WB8BN	53.090	
ROCKY MT/FERRUM	WD4ZKZ	53.270	T107.2
VESTA	N4GBO	53.430	PROP
WHITE TOP MTN	KB4YFV	53.650	

2 METERS

ABINGDON/BRMLY MT	K4JP	146.610	
ABINGDON	NM4L	147.345	T103.5
ACCOMAC	KB4W	147.255	T156.7
ALEXANDRIA	K4US	146.655	
ALEXANDRIA	W4HFF	147.315	
ALTAVISTA	WA4SI	146.655	
AMELIA	WB3R	145.190	
AMELIA COURTHSE	KB4YKV	147.180	
AMHERST	K4CQ	145.490	PROP
ARLINGTON	WB4JF	146.855	
ARLINGTON	WB4JF	145.470	
ARLINGTON	KF4JPC	146.625	
BEDFORD	N4CH	145.230	
BEDFORD	WB4JB	147.105	
BEDFORD/APL ORCH	WA1ZMS	146.685	T100.0
BLACKSBURG	W9KIC	146.715	
BLAND	N4AZJ	145.350	T103.5
BLUEFIELD	KD8XK	145.250	T100.0
BLUEFIELD	WM8OP	145.490	
BLUEFIELD/ONEIDA	WZ8E	145.300	100.0
BLUENT	WA4TSC	147.300	
BOYDTON	KD4ZTK	147.240	
CHARLOTTESVILLE	WA4TFZ	146.760	T151.4
CHARLOTTESVILLE	WA4TFZ	146.925	
CHESAPEAKE	N4SD	146.790	
CHESAPEAKE	W4CAR	146.820	T162.2
CHESTERFIELD	KD4KWP	145.310	127.3
CHESTERFIELD	K4ACBB	147.360	
#CLINCHCO	K4MMW	146.985	UNCOR
CLINCHCO	KB4RFN	147.150	T88.5
#CLINCHCO	WD4QYZ	147.255	UNCOR
COEBURN	AD4OV	145.430	103.5
COVINGTON	WA4HTI	146.805	
CULPEPER	W4CUL	147.120	

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue

VIRGINIA REPEATERS CONTINUE

CULPEPPER	AF4CY	145.410	
DANVILLE/WHIT OAK	K4AU	146.700	107.2
DANVILLE(DCC)	WB4GJM	146.925	T107.2
DUBLIN	W4CBM	146.670	
DULLES/AIRPOR	W4DLS	145.310	
EASTVILLE	N4AWO	147.345	T156.7
ELK CRIK/IRON MTN	N4MGG	147.240	T107.2
FAIRFAX	K4QXK	146.790	
#FANCY GAP	W4ACQK	145.110	UNCOR
FARMVILLE	KE4ZBH	145.330	
FARMVILLE	KE4ZBH	145.910	
FARMVILLE	N4CFA	146.955	T136.5
FINCASTLE	W4WIC	146.640	
FOREST	AG4AN	146.775	PROP
FRANKLIN	KD4ITB	147.300	T131.8
FREDERICKSBUR	K4TS	147.015	
GALAX/BRIP MT	W4BRC	147.090	
GALAX/KOUT MT	N4VL	145.130	T103.5
GARRISONVILLE	N4NW	145.270	
GATE CITY	N4WWB	146.820	T
GLOUCESTER	W4HLZ	145.370	
GOOCHLAND	N4TZE	147.090	
GREENBAY	K4ARO	145.150	
GRUNDY	K4HWQ	147.315	
GRUNDY/BIG A MT	KK4EH	146.835	
GUM SPRING	WB4IKL	147.270	
HAMPTON	W4AOXH	145.490	
HAMPTON	W4OR	146.730	
HAMPTON	K4AVXR	147.225	T136.5
HARRISONBURG	N4YET	145.130	
HARRISONBURG	N4RAG	146.895	
HARRISONBURG	N4RAG	147.225	
HARRISONBURG	N4YET	147.315	
HIGH KNOB MTN	K4QZJ	145.210	
#HONAKER	KD4CT	146.805	UNCOR
JARRATT	K4SVA	146.825	PROP
KINGS CROSSING	N5GQD	147.150	
LEXINGTON	K4I2R	147.300	T13.8
LEXINGTON/ROCK MT.	K4I2R	147.330	
LURAY	KE4JSV	147.030	
LYNCHBURG	K4ARBA	145.370	186.2
LYNCHBURG	W4WWQ	146.610	136.5
LYNCHBURG	AB4M	147.015	T131.8
LYNCHBURG	W4ARTS	147.195	T136.5
MANASSAS	W4OVH	146.970	
MARION	N4OLF	146.640	T103.5
MARTINSVILLE	KF4RVG	147.285	T107.2
MCLANE	W4CJA	147.210	
MONTICERY	W4DITN	147.180	T100.0
MONTPELIER	KQ4RH	145.250	T
MOUNTAIN LAKE	W2BE	146.885	110.9
MT. LAKE/BALD KNOB	K4TUE	146.825	107.2
NEWMARKET	W3MMC	146.825	
NEWPORT NEWS	W4MT	145.230	T100.0
NEWPORT NEWS	W4CM	147.165	
NORFOLK	W4VB	145.330	
NORFOLK	AD4ZK	147.075	
NORTON	KF4VDF	146.865	T103.5
NORTON/HIGH KNB	K4AXO	147.015	T88.5
PAGEO	KD4DDI	146.670	
PATRICK SPRINGS	WB8POC	147.120	T107.2
PEARISBURG	N4WZJ	147.135	T100.0
PEARISBURG	W4NVR	147.375	T100.0
PENNINGTON GAP	AF4FB	146.700	103.5
PETERSBURG	KE4SCS	146.985	PROP
PETERSBURG	K4ARO	147.390	
PKS BK/PULASKI	WB3S	147.180	T103.5
PORTSMOUTH	W4POX	146.850	
QUANTICO	#W4NFR	147.345	
RADFORD/RINER	K4AIXK	145.150	
RICHMOND	K4YPE	145.110	
RICHMOND	W4SQY	145.430	
RICHMOND	WB4QET	146.640	
RICHMOND	W4ZA	146.940	
RICHMOND	W4AJST	147.030	
RICHMOND	KC4AVD	147.135	T107.2
ROANOKE	N4AP	146.940	
ROANOKE/POOR MT	K4ARO	145.390	T107.2
ROANOKE/POOR MT	K4ARO	146.745	T107.2
ROANOKE/POOR MT	W4CA	146.985	
ROANOKE/POOR MT	KB4QWO	147.270	
ROANOKE/POOR MT	N2EDE	145.210	
RUSTBURG	N4UTN	145.290	
RUSTBURG/LONG MT	N4UTN	146.835	T173.8
SALEM	W4AAV	146.940	
SALUDA	A44HO	145.450	
SMITHFIELD	WT4RA	147.195	T100.0
SOUTH HILL	N4ZCM	145.470	
SPOTSVYLVANIA	K4MOF	146.775	
STAUNTON	KD4KAU	145.450	T131.8
STAUNTON	KD4WWF	146.700	T131.8
STAUNTON	W4AZBP	146.850	T131.8
STAUNTON	W4WRN	146.970	
STAUNTON/EL KB	KE4CKJ	147.045	T131.8
STERLING	W4ATXE	146.700	
STUARTS DRAFT	KB4OLM	147.380	
STURFOLK	W4LG	147.000	T100.0

TYSONS CORNER	KF4QOP	146.910	
VIENNA	K4HTA	146.685	
VIRGINIA BEACH	W44XV	146.895	
VIRGINIA BEACH	W44XV	146.970	
VIRGINIA BEACH	W44SBC	147.045	
WARRENTON	KB3BOI	145.350	
WARRENTON	N24N	147.165	
WARSAW	K4A2IP	147.285	
WAYNESBORO	W4PNT	147.075	
WILLIAMSBURG	KF44DM	145.410	127.3
WILLIAMSBURG	K4RC	146.670	T
WILLIAMSBURG	KB4ZIN	146.760	
WILLIAMSBURG	KB4ZIN	147.105	
WINCHESTER	KB3BOI	145.350	
WINCHESTER	W4ARC	146.820	
WOODBRIDGE	W4IY	147.240	
WYTHE/WALKER TOP	WB3T	146.895	T103.5
WYTHEVILLE	WB3T	146.775	T107.2

220 MHZ

ARLINGTON	WB4MJF	224.060	
ARLINGTON	WB4MJF	224.620	
BEDFORD	N4PL	224.840	
BEDFORD/APPL ORCH	W41ZMS	224.180	T100.0
BELLKNOB	W04KHP	224.440	
BERRYVILLE	W04KHP	224.400	
BERRYVILLE	W04KHP	224.740	
BLUEFIELD	W4BO	224.120	
BLUEMONT	KF4VED	224.360	
CHARLOTTESVILLE	N4HRV	224.140	T88.5
CHARLOTTESVILLE	W44TFZ	224.760	
DELTAVILLE	AA4HO	224.900	
FAIRFAX	WB4YHD	224.100	
FANCY GAP	K4QD	224.880	T100.0
GLOUCESTER	W4GSF	224.620	
HAMPTON	WB4PVT	224.540	T100.0
HARRISONBURG	N4YET	224.820	
HAYMARKET	W04KHP	224.420	
HAYMARKET	W04KHP	224.720	
LAKE GASTON	W4LG	224.600	
LEESBURG	N0NW	224.020	
LOVETTSVILLE	WB4FJ	224.460	
LURAY	KE4JSV	224.360	
LYNCHBURG	AB4M	224.280	
MANASSAS	W4OVH	224.660	
MARTINSVILLE	K4RCA	224.500	
NORFOLK	K4CJGJ	224.740	T100.0
NORTON/HIGH KNOB	W04GSM	224.420	
PATRICK SPRINGS	WB8POC	224.420	T103.5
PEARISBURG	K0AQ	224.860	103.5
PETERSBURG	K4ARO	224.700	
RIDGEWAY	W4WJ	224.380	T
ROA/CASAS MT	AB4EM	224.940	
ROANOKE	N4CH	224.100	
ROANOKE/TINKER	K4YDG	224.900	
STAUNTON/EL KNOB	KE4CKJ	224.300	T131.8
STUART	WB4GUG	224.200	T107.2
TYSONS CORNER	KM4OI	224.340	
TYSONS CORNER	W04KHP	224.420	
WAYNESBORO	K4ARCL	224.680	T131.8
WINCHESTER	N3HXT	224.220	
WOODBRIDGE	W4IY	224.780	

440 MHZ

ABINGDON	KB8KSP	442.975	T100.0
ACCOMACK	K4BW	444.300	T156.7
ALTAVISTA	W4AISI	444.425	
AMELIA	KB4YV	443.200	
ARLINGTON	KD4DSX	442.625	
ARLINGTON	WB8NT	443.325	
ARLINGTON	WB4MJF	444.150	
ARLINGTON	K4AF	444.550	
BASSETT	KF4RMT	443.825	PROP
BEDFORD	N4CH	444.350	
BEDFORD/APL ORCH	W41ZMS	442.650	T100.0
BEDFORD/APL ORCH	W41ZMS	443.800	T100.0
BELLKNOB	W04KHP	442.825	
BERRYVILLE	WB2KPH	447.475	
BIG A MTN	KB4WTP	444.875	
BLUEFIELD	WB8OP	444.450	
BLUEFIELD	W2BE	444.625	
BLUEFIELD/ONEIDA	WB3T	443.325	T103.5
BLUEMONT	W4ATSC	449.925	
BULLRUNMTN	W43KOK	447.775	
CHARLOTTESVILLE	KF4UJI	442.075	T151.4
CHARLOTTESVILLE	W44TFZ	444.250	T151.4
#CHARLOTTESVILLE	KF4UJI	444.775	UNCOR
CHEESAPEAKE	W4CAR	444.000	PROP
CHESTERFIELD	W43KOK	443.075	PROP
CHESTERFIELD	KD4SUJ	442.150	
COPPER RIDGE	W43KOK	442.450	PROP
COPPER RIDGE	KB4WTP	444.550	PROP
COVINGTON	W44HTI	442.250	PROP
DALE CITY	N8BOR	443.100	
DANVILLE/WHIT OAK	K4AU	444.700	
DANVILLE	K0AI	443.850	
ENON	W4RFD	444.275	T114.8
FAIRFAX	K4HTA	442.375	
FAIRFAX	W04KHP	449.775	
FAIRFAX/CHURCH	WB4UNB	447.425	

FALLSCHURCH	KF4LWJ	444.300	
FANCY GAP	WB3T	444.050	
FANCY GAP	W04CIX	444.175	T107.2
FANCY GAP	N4OWU	444.375	T107.2
FANCY GAP	N4XRY	444.900	
FANCY GAP	KD4FWS	444.925	PROP
FOREST	AG4AN	442.475	PROP
FOREST	WB8XD	443.600	T136.5
FOREST	W04CQI	444.750	
FRONTROYAL	N4MKH	443.225	
GASBURG	W4LG	442.000	
GATE CITY	N4WWB	444.700	
GLOUCESTER	N4XND	421.250	
GRETNA/SMITH MT	KD4TBC	444.075	T123.0
GUM SPRING	KB4MIC	442.800	
HAMPTON	W4AOXH	443.750	100.0
HAMPTON	W4QR	444.550	T167.9
HARRISONBURG	N4YET	444.600	
HAYMARKET	KT4ER	448.325	
HAYMARKET	N3AUJ	449.025	
HERNDON	N4LXI	443.000	
HIGHKNOB	N1TXI	447.725	
HILLSVILLE	KB4YFV	442.125	T103.5
INDEPENDENCE	KF4ZIG	443.375	T103.5
JONESVILLE	WB4IVB	442.575	T100.0
LEXINGTON	KI4ZR	444.300	
LEXINGTON/ROCK MT.	KI4ZR	444.150	
LORTON	W04KHP	449.725	
LYNCHBURG/JACK MT	KF4YI	442.400	T107.2
LYNCHBURG/TOT MT	K4CQ	444.500	T136.5
LYNCHBURG	K4CQ	923.250	
LYNCHBURG	AB4FU	442.950	
LYNCHBURG	K4ARBA	443.450	186.2
LYNCHBURG	W4WWO	444.550	T136.5
LYNCHBURG/T.ROW	N4FC	442.200	T103.5
MADISON	N8HON	444.400	
MANASSAS	W4OVH	442.200	
MARION	WB3T	443.125	
MEADOWS OF DAN	W4GR	442.725	PROP
NEWPORT NEWS	W4MT	442.900	T100.0
NORFOLK	AD4ZK	444.475	T
NORFOLK	W04MIZ	444.675	T107.2
OLLIVILLE	KB4MIC	444.800	
PATRICK SPRINGS	WB8POC	443.175	
PATRICK SPRINGS	K0FJB	443.575	PROP
PEARISBURG	N4AZJ	444.975	T103.5
PETERSBURG	K4ARO	442.600	
PORTSMOUTH	W4POX	443.800	
POWHTAN	K4NYM	443.100	
PULASKI	KE4CIC	442.775	T
QUANTICO	N3QEM	447.975	
RICHMOND/CHTLV	N4EHJ	444.650	
RICHMOND	W4AAYB	441.600	PROP
RICHMOND	W4AAYB	441.600	PROP
RICHMOND	KC4VDZ	442.300	T114.8
RICHMOND	AB4SF	444.850	T
ROA/POOR MT	N4KJ	443.250	
ROA/POOR MT	K4AIXK	442.850	
ROANOKE	K4ARO	442.600	T
ROANOKE	W7CP	442.700	T
ROANOKE	WB3T	444.325	T103.5
ROANOKE/MILL MT	W04KZK	442.750	T107.2
ROANOKE/POOR MT	W4CA	442.500	
ROANOKE/READ MT	W04KZK	444.850	T107.2
ROANOKE/TINKER M	WB8BON	444.925	
SILER	W4ARS	449.175	
SLINGS GAP	W04KZK	444.775	T107.2
SOUTH HILL	KD4MUJ	443.525	100.0
SPOTSVYLVANIA	N2XHZ	447.875	
SPOTSVYLVANIA	KD4QNA	442.700	
SPOTSVYLVANIA	K4MOF	442.850	
STAFFORD	K4HR	444.450	
STAUNTON	W4AZBP	444.825	T131.8
STAUNTON/EL KNOB	KE4CKJ	444.100	T131.8
STERLING	W4ATXE	442.100	
STUART	WB4GUG	442.225	T107.2
STUARTS DRAFT	KB4OLM	444.050	
TYSONSCORNER	K3ACOR	447.025	
TYSONSCORNER	KM4FI	443.500	
VIENNA	N4KOU	444.850	
VINTON	K4YD	443.675	T107.2
VIRGINIA BEACH	W44XV	444.950	
WAYNESBORO	N3XA	442.250	
WHITETOP MTN	KM4X	443.000	T103.5
WILLIAMSBURG	KB4ZIN	444.100	
WILLIS	W4DUM	443.875	
WINCHESTER	W4ARC	448.775	146.2
WINCHESTER	W3CSG	442.000	
WOODBRIDGE	W4IY	444.900	
WYTHE/WALKER MT	WB3T	442.000	T103.5
WYTHEVILLE	WB3T	442.525	103.5
YORKTOWN	N3ELM	443.550	T100.0

920 MHZ

ALEXANDRIA	W4ACCF	919.600	
BEDFORD/APL ORCH	W41ZMS	921.100	T100.0
CULPEPPER	K44DCS	919.400	

SYMBOLS: ⊕ = Full Member SERA T= Tone Accessed (plus tone freq)
and/or UNCOR = Uncoordinated PROP = Proposed Rptr. Under Const.

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . continue!

VIRGINIA REPEATERS CONTINUE

LYNCHBURG/TOB MT	K4CO	921.000	T100.0
ROANOKE/POOR MT	WD4KZ	919.500	107.2
TYSONS CORNER	K4LWQ	919.500	
WOODBIDGE	K4LDCS	919.800	

1270 MHz			
BEDFRD/APPLE ORCH	WA1ZMS	1283.100	T100.0
ROANOKE/POOR MT	N4CH	1291.020	

2.4GHz			
BEDFRD/APPLE ORCH	WA1ZMS	2411.600+	

WEST VIRGINIA

10 METERS

BECKLEY	KA80TX	29.620	
BECKLEY	KE4QQX	29.680	T88.5
CHARLESTON	WB8CQV	29.640	203.5
RICHWOOD	WB9YWO	29.660	T100.0

6 METERS

ALDERSON	WV8BD	53.190	
BECKLEY	N8FWL	53.170	T123.0
BECKLEY	WB8YJ	53.590	T107.2
CHARLESTON	WB8YST	53.630	T107.2
GASSAWAY	K8WGB	53.210	T123.0
LEWISBURG	KC8LRN	53.930	PROP
MARMT/CHARLSTN	N8PEI	53.750	T141.3
RICHWOOD	WB8YST	53.710	T107.2
SHIRLEY	K8BTJH	53.310	
SNOWSHOE	KC8CSE	53.330	

2 METERS

AMBER RIDGE	KB8NJH	147.210	T107.2
BECKLEY	N8FWL	147.360	T123.0
BECKLEY/BOLT MT	WV8B	145.170	T100.0
BECKLEY/EOC	WV8BD	145.370	
BECKLEY/FLAT TOP	WV8BD	146.850	
BECKLEY/LAYLAND	N8FCJ	145.310	T100.0
BECKLEY/OAK HILL	N8FWL	145.230	T100.0
BERKELEYSPLAIN	KK3L	146.745	
BIRCH RIVER	N8FMD	145.270	T103.5
BRIDGEPORT	WB8DKM	147.120	T
BUCKHANNON	N8HFE	145.410	
BUCKHANNON	N8ZAR	146.850	
BUCKHANNON	N8ZAR	147.060	123.0
CAPON MOUNTAIN	N8YIB	147.435	
CHARLESTON	WB8GK	145.350	91.5
CHARLESTON	WB8YST	145.430	PROP
CHARLESTON	N8BFS	146.820	
CHARLESTOWN	N8EIV	146.985	
CLARKSBURG	N8FMD	146.685	T103.5
CLARKSBURG	N8FMD	147.210	T103.5
DANVILLE	WB8NAM	146.685	T
DAVIS	KE8MR	147.135	T103.5
ELKINS	WJ8G	145.230	T103.5
ELKINS	KB8BWZ	146.770	
FAIRMONT	WB8SP	145.350	T103.5
FENWICK	KD8AB	146.940	
FLAT TOP/WINTPL	WV8B	146.625	T100.0
FLATWOODS	N8ZPX	146.655	T123.0
FRANKLIN	W3RUA	147.345	
FROST	N8YV	145.110	107.2
GASSAWAY	WB8MZI	146.610	
GASSAWAY	K8WGB	147.240	UNCOR
GLENVILLE	N8OYV	145.130	
GLENVILLE	WB8WV	145.290	
GRAFTON	WB8LNB	147.375	118.8
HARISV/PENS BRO	WB8NLS	147.300	
HARPER/FERRY	KB3BOI	145.350	
HINTON	KC8CNL	147.255	100.0
HUNTINGTON	WB8FEQ	145.210	
HUNTINGTON	W8VA	146.760	
HUNTINGTON/CHAS	WB8EZR	146.640	
JAEGER	N8SNW	146.655	T203.5
KEYSER	N8RCQ	147.390	123.0
LEWISBURG	WB8SPW	146.730	T100.0
LEWISBURG	N4RAG	146.760	T131.8
LEWISBURG	WV8D	147.390	T100.0
LIBERTY	WV8AR	145.410	T123.0
LOGAN SOUTH	NV8H	147.195	100.0
LOGAN/SUMERO	N8UK	147.345	
LOGAN/WRD RK MT	KJ8E	146.970	
MADISON	WB8NAM	147.120	T
MARLINTON	N4RAG	147.090	131.8
MARTINSBURG	WA8PSE	145.150	
MARTINSBURG	WB8YZV	147.255	
MARTINSBURG	K3MAD	147.345	
MCMEECHEN	N8BQ	146.910	
MIDDLEBOURNE	WV8TC	147.360	T110.9
MOOREFIELD	KD4SZR	145.190	
MORGANTOWN	K8LG	145.430	
MORGANTOWN	WB8CUL	146.760	
MORGANTOWN	KE8MR	147.075	T103.5
MULLENS	KC8IT	147.030	
OAK HILL	NM8T	146.790	
PARKERSBURG	WV8G	145.490	

PARKERSBURG	WA8LLM	147.255	
PARKERSBURG	WD8CYV	147.390	T141.3
PARKERSBURG (OH)	N8NBL	146.970	
PARSONS	K8VWQ	145.370	T118.8
PHILIPPI	K8VE	145.150	103.5
PINEVILLE	WB8LG	147.285	
PRINCETON	KA8PNC	147.060	
PRINCETON	WB8NRK	147.225	T114.8
PRINCETON/PIEST	WD8OGY	146.925	
RAVENSWOOD	WB8JUN	146.670	
RICHWOOD	WB8YJ	145.190	T
RICHWOOD	AA8TH	147.015	T
RICHWOOD	KB8YDG	147.150	T100.0
ROCKPORT	KC8TLG	147.135	PROP
ROSA	K8SA	145.110	T110.9
SCOTT DEPOT	WV8AR	147.270	123.0
SHIRLEY	K8BTJH	145.310	T
SKYLINE	K7SOB	147.360	T127.3
SMITHERS	NM8T	147.075	
SO. CHARLESTON	WB8CQV	146.880	203.5
SPENCER	KA8AUW	147.105	100.0
SPRUCE KNOB	N8HON	147.285	
ST ALBANS	K8WMM	147.000	
SUMMERSVILLE	W8FG	145.470	100.0
TERRA ALTA	KD8ZR	147.000	T
UNION	W8FL	145.410	
WELCH	WB8SZ	145.450	
WESTON	WB8EOM	145.390	
WESTON	WC8K	147.165	
WHEELING	KA8YEZ	145.190	
WHEELING	WB8QZ	146.760	
WILLIAMSON	WR8M	145.330	

220 MHz			
BECKLEY	N8FWL	224.240	T123.0
BECKLEY/OAK HILL	N8FWL	224.340	123.0
BERKELEYSPLAIN	K3AYLG	224.700	
CHARLESTON	WB8YST	224.360	107.2
FLAT TOP/WINTPL	WV8B	224.120	
HILLSBORO	KC8LRN	224.220	T131.8
LEWISBURG	KC8LRN	224.800	T
WILLIAMSON	WR8M	224.140	

440 MHz			
ALDERSON/SAM BLK	N8LVE	444.400	T100.0
BECKLEY	N8FWL	443.050	T123.0
BECKLEY	N8LVE	444.125	T
BECKLEY/BOLT	W8LG	443.225	
BECKLEY/OAK HILL	WV8B	444.800	
BECKLEY/OAK HILL	KE4CQX	443.100	T107.2
BELINGTON	N8SCS	444.900	141.3
BERKELEYSPLAIN	WA3KOK	442.450	
BLUEFIELD	WZ8E	443.625	100.0
BUCKHANNON	N8ZAR	444.250	
CHARLESTON	KB8QKM	442.925	71.9
CHARLESTON	WV8AR	444.225	T123.0
CHARLESTON	WB8YST	444.350	T107.2
CLARKSBURG	N8FMD	444.175	T103.5
DANSMOUNTAIN	N8YIB	145.330	
DUNMORE	KC8CSE	444.275	123.0
FAIRMONT	WB8SP	443.875	
GASSAWAY	K8WGB	444.575	T123.0
GILBERT	KB8PCW	442.725	PROP
GLENVILLE	KA8ZXP	444.325	
HUNTINGTON	WA4GSS	421.250	
HUNTINGTON	WB8EZR	443.000	
HUNTINGTON	KB8TGK	443.850	T88.5
HUNTINGTON/CHAS	WB8EZR	444.850	T131.8
HURRICANE	K8JUC	444.075	
KEYSER	N8RCQ	444.125	103.5
LEWISBURG	KF8FO	444.725	T103.5
LOGAN	KE4QX	444.900	T107.2
MORGANTOWN	K8LG	444.700	
MORGANTOWN	WB8CUL	444.800	
MULLENS	KC8IT	444.000	
OAK HILL	KA8OTX	443.800	
PARKERSBURG (OH)	N8ILO	444.100	
PENNSBORO	WB8NLS	442.850	T103.5
PRINCETON	KB8JUN	443.700	T123.0
RICHWOOD	KB8YDG	443.475	
RICHWOOD	KC8AUJ	443.575	T
SHIRLEY	K8BTJH	444.425	T
SO. CHARLESTON	WB8CQV	444.950	203.5
ST ALBANS	K8MHR	443.150	
WELCH	N8SNV	443.725	
WESTON	WC8K	444.600	
WHEELING	KB8QHO	421.250	
WHEELING	KA8YEZ	443.025	77.0HZ

2 METERS

CONCORD, NH	KA1OKQ	147.225	T100.0
DELAND, FL	K4DWF	147.045	T103.5
OCEAN CITY, NJ	W3PS	147.285	T146.2
PHILADELPHIA, PA	W3PS	147.315	TT156.7
VINELAND, NJ	AA2LD	147.135	T156.7

220 MHz

OCEAN CITY, NJ	W3PS	223.980	T156.7
CHESTER, PA	W3PS	224.960	T156.7
CONCORD, NH	KA1OKQ	224.800	T103.5
EAGLEVIEW, PA	W3PS	223.680	T156.7
MILLVILLE, NJ	AA2LD	224.960	T156.7
QUAKERTOWN, PA	W3PS	224.400	

440 MHz

CHESTER, PA	W3PS	443.050	T156.7
CONCORD, NH	KA1OKQ	448.775	T82.5
LINWOOD, PA	W3PS	443.000	156.7
MCKINNEY, TX	KF5TU	442.350	T100.0
PEMBROKE, NH	KA1OKQ	444.150	
PETERBORO, NH	KA1OKQ	443.350	T110.9

1270 MHz

CHESTER, PA	W3PS	1240.000+	
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REPEATER LIST STATUS UNKNOWN

UNKNOWN REPEATER LISTS

The following list of repeaters are classified as "Unknown." By unknown, we mean that these listing have been purged from our main listing because we do not officially know if the repeaters indicated actually exist.

The SERA records department mails out datasheets for updates each year to all known repeaters and listings in the 8-state area. This list of "unknowns" have not been heard from in for a period of 3 or more years.

Various attempts to contact the persons responsible for the listings, in some cases have been unsuccessful. Other cases, owners refuse to cooperate. Some listings in this "unknown" area may possibly be in some phase of being "de-coordinated" by the District Coordinator (Director).

Any Repeater owner or sponsor who wishes to have their listing removed from this list is encouraged to contact their State Coordinator. See Page 1.

GEORGIA UNKNOWN

CONVERS	A1BH	29.680	UNKN
#MACON	KF4XH	29.620	UNKN
CRAWFORD	KD4FV	53.330	UNKN
#MACON	KF4XH	53.390	UNKN
ATL/UNION CITY	WA4UPE	146.625	UNKN
ATLANTA	WA4BM	145.290	UNKN
ATLANTA/SWEAT MT	KD4NC	146.730	UNKN
AUGUSTA	N4M	147.180	UNKN
BAINBRIDGE	KE4RWR	147.090	UNKN
#BLACK ROCK MT	KE4SNT	147.390	UNKN
COCHRAN	N4MXC	145.110	UNKN
COLUMBUS	KA4CEK	145.310	UNKN
COLUMBUS	WA4CVY	146.610	UNKN
COLUMBUS	WA4CVY	146.880	UNKN
EASTMAN	KF4ODQ	145.330	UNKN
FOLKSTON	KD4GEY	146.790	UNKN
JESUP	WA4EQL	145.190	UNKN
JESUP	N4PJR	146.925	UNKN
JESUP/SCREVEN	N4PJR	147.345	UNKN
JONESBORO	WA4OGE	145.330	UNKN
LAFAVETTE	KB4VAK	147.375	UNKN
#LINCOLN	KT4N	147.120	UNKN
#MACON	KF4XH	147.165	UNKN
MILLEDGEVILLE	WB4DOJ	146.700	UNKN
PINE MT/HAMILTON	WB4ULJ	145.190	UNKN
SAVANNAH	KE4WAQ	146.850	UNKN
SWAINSBORO	K4VYX	146.790	UNKN
THOMSON	K4AGSS	146.835	UNKN
WRENS	KB4NA	146.730	UNKN
ATLANTA	N4BLR	224.280	UNKN
CUMMING	K4JSR	224.980	UNKN
HAWKINSVILLE	WR4MG	224.820	UNKN
ATLANTA	KE4PVE	442.675	UNKN
ATLANTA	KE4ZV	443.650	UNKN
ATLANTA	KD4LXT	443.875	UNKN
BARNESVILLE	N4GWO	443.675	UNKN
BRUNSWICK	KD4CPO	443.425	UNKN
BYRON	KF4XH	443.150	UNKN
CARROLLTON	AE4GU	444.075	UNKN
COCHRAN	N4MXC	444.775	UNKN
COVINGTON	KE4PVE	444.175	UNKN
DACULA	KK4IN	443.550	UNKN

Limited FULL MEMBERS FROM NON-SERA STATES

10 METERS			
CHESTER, PA	W3PS	29.520	T156.7
6 METERS			
CONCORD, NH	KA1OKQ	53.590	71.9

SERA REPEATER LISTINGS - BY STATE - BY CITY . . . conclude!

UNKNOWN REPEATERS CONTINUE

DANIELSVILLE	KE4FHN	442 650	UNKN
DULUTH	W4JUN	443 775	UNKN
FLOWERY BRANCH	K4VJM	442 775	UNKN
OLKSTON	KD4GEY	444 475	UNKN
HAMILTON	WB4UJL	444 400	UNKN
HAPEVILLE	KC4ENL	442 825	UNKN
HIGH HOUSE MTN	KD4APP	443 200	UNKN
HIGH PTLOOK MT	KB4VAK	443 450	UNKN
JASPER	KB4MDE	443 425	UNKN
JESUP	N4PJR	444 925	UNKN
JONESBORO	M4QCP	443 225	UNKN
KNOXVILLE	N4PQR	444 525	UNKN
LAKEMONT	K4ZRF	444 750	UNKN
NEWMAN	KE4PVE	444 350	UNKN
PENDERGRASS	KE4PVE	444 125	UNKN
REX	KB4NPO	443 975	UNKN
SAVANNAH	WA4VHP	427 250	UNKN
SMYRNA	N4BWS	444 650	UNKN
SAVANNAH	WA4VHP	923 000	UNKN

KENTUCKY UNKNOWN

LOUISVILLE	WB4LBR	52 025	UNKN
#DIXON	N4IOX	147 255	UNKN
DRAKESBORO	KF4DKJ	146 820	UNKN
GREENEVILLE	WA4TTC	146 745	UNKN
HARLAN	WA4ZAC	147 105	UNKN
#HAWESVILLE	K3ZK	147 105	UNKN
HENDERSON	W4KVK	145 490	UNKN
#JONATHAN CREK	N4SEI	146 985	UNKN
LEXINGTON	WB4CWF	145 490	UNKN
#LITCHFIELD	KB4NFK	147 225	UNKN
LOUISVILLE	KQ3Z	147 360	UNKN
#MARION	K44FGA	147 285	UNKN
#NEBO	A44NI	146 730	UNKN
#NICHOLASVILLE	WB4LBI	146 990	UNKN
OWINGSVILLE	N4TLP	147 075	UNKN
PARIS	KE4QOS	147 045	UNKN
PRINCETON	WB4LB	146 870	UNKN
#PROVIDENCE	N4IUI	147 330	UNKN
PO. PORTSMOUTH	KC8FKP	145 390	UNKN
PIKEVILLE	WB4F	224 580	UNKN
FLORENCE	KC4COV	443 175	UNKN
GLASGOW/CVCTY	KF4DQ	444 250	UNKN
LEXINGTON	KC4ISR	444 725	UNKN
LOUISVILLE	N4ORL	442 000	UNKN
LOUISVILLE	KB4RYM	442 500	UNKN
LOUISVILLE	WD9EQC	443 500	UNKN
NEBO	A44NI	444 850	UNKN

MISSISSIPPI UNKNOWN

ACKERMAN	N4OSN	147 120	UNKN
BAY ST. LOUIS	WB4FUR	146 700	UNKN
BUDE	K5JMD	146 850	UNKN
COLLINS	N5LRQ	146 985	UNKN
CORINTH	WB5VJ	146 925	UNKN
#FRENCH CAMP	WB5BT	147 225	UNKN
GREENWOOD	K4STQY	146 715	UNKN
IUKA	WB5MFK	146 850	UNKN
JACKSON	KB5KGE	145 390	UNKN
JACKSON	N4CSY	147 075	UNKN
LOUISVILLE	K5GQGC	147 360	UNKN
#LOCOMB	K5JMD	146 940	UNKN
MERIDIAN	W5CFO	146 700	UNKN
MOOREVILLE	WB5NAY	146 640	UNKN
PASCAGOULA	N5PH	146 970	UNKN
PHILADELPHIA	N5LEP	147 330	UNKN
#PICATUNE	K5LFP	145 150	UNKN
POINTOTOC	WB5NAY	147 390	UNKN
PURVIS	KB5ZCX	146 670	UNKN
SOUTHAVEN	N5PYQ	145 370	UNKN
TUPELO	N5ELS	147 240	UNKN
#VANCLAVE	KE5TL	147 000	UNKN
VICKSBURG	WJ5SL	145 290	UNKN
#VICKSBURG	K5MT	146 805	UNKN
CLOSTER	N5ZNS	443 825	UNKN
HAZLEHURST	N5ZDF	443 950	UNKN
ICKLEY FLAT	W4ZCD	444 725	UNKN

JACKSON	N4CSY	444 700	UNKN
JACKSON, EAST	A4SRZ	443 625	UNKN
MCCOMB	N5HTQ	444 875	UNKN
SOUTHAVEN	N5PYQ	444 925	UNKN
STARKEVILLE	WB5VZ	444 750	UNKN
VICKSBURG	WB5TTE	444 925	UNKN
VOSSBURG	N5LRQ	442 725	UNKN

NORTH CAROLINA UNKNOWN

BALD CREEK	N1BEC	29 660	UNKN
ASHEVILLE	K4OOL	53 470	UNKN
BALD CREEK	N1BEC	53 030	UNKN
SAURATOWN MT	N4QLX	53 210	UNKN
AHOSKIE	WB4YNF	145 130	UNKN
BALD CREEK	N1BEC	147 045	UNKN
CROWDERS MT/GAST	WD4PLY	145 450	UNKN
#DOBSON	AD4UM	146 925	UNKN
#GREENVILLE	K4UIMO	147 375	UNKN
JACKSONVILLE	K4ASQN	145 190	UNKN
JACKSONVILLE	WD4FVO	147 000	UNKN
LELAND	N4CTJ	145 170	UNKN
MANTEO/WANCHES	W4ACY	146 940	UNKN
RALEIGH	K4OCW	147 195	UNKN
#ROANOKE RAPIDS	N4WFL	145 310	UNKN
ROANOKE RAPIDS	KB4DJT	147 030	UNKN
SHELBY	W4NYR	146 880	UNKN
SHELBY	W4NYR	147 345	UNKN
WILSON	WB4THL	146 760	UNKN
BALD CREEK	N1BEC	224 120	UNKN
GREENSBORO	N4QVJ	224 960	UNKN
HENDERSVILLE	N4UQS	224 960	UNKN
JACKSONVILLE	K4ASQN	224 320	UNKN
LEXINGTON	K4RHJ	224 520	UNKN
PLYMOUTH	KB7HTJ	224 760	UNKN
SHELBY	W4NYR	224 060	UNKN
WILMINGTON	WB4KPF	224 680	UNKN
AHOSKIE	WB4YNF	444 200	UNKN
ASHEVILLE	K4GGEU	442 650	UNKN
BALD CREEK	N1BEC	444 875	UNKN
CHARLOTTE	KD4QWP	443 950	UNKN
CROWDERS MTN	KD4FRP	443 675	UNKN
#JACKSONVILLE	KE4JDP	444 675	UNKN
MIDDLESEX	NE4J	444 650	UNKN
MONROE	N4ZVN	444 425	UNKN
OXFORD	KC4WXA	444 600	UNKN
REIDSVILLE	K4YEC	444 800	UNKN
RTP	W4EUS	443 625	UNKN
#SALISBURY	N4MME	444 650	UNKN
SHELBY	W4NYR	427 250	UNKN
WHITAKER MTN	WA4QFV	444 325	UNKN
WILSON	KE4DGP	442 475	UNKN
WILSON	NE4J	444 900	UNKN

SOUTH CAROLINA UNKNOWN

BLYTHEWOOD	N0WFL	53 010	UNKN
#CANADYS	WB4FOP	145 390	UNKN
COLUMBIA	N0YVN	145 190	UNKN
COLUMBIA	WB4NEP	146 715	UNKN
COLUMBIA	N4EYO	147 360	UNKN
ELLOREE	KC4WIF	146 610	UNKN
ROCK HILL	K4YTZ	147 030	UNKN
SUMMITTOWN	N4LWY	145 150	UNKN
SUMTER/SHAW	W4VFR	147 060	UNKN
COLUMBIA	N4EYO	224 930	UNKN
CROSS	KB4VFD	224 580	UNKN
SUMTER/SHAW	W4VFR	224 680	UNKN
BLYTHEWOOD	N0YVN	444 000	UNKN
CHARLESTON	KD4PBC	444 950	UNKN
COLUMBIA	N4EYO	443 000	UNKN
FLORENCE	N4JJ	444 000	UNKN
GOOSE CREEK	N4NUN	421 250	UNKN
LANCASTER	KC4AC	444 100	UNKN
LEXINGTON	N4GUP	421 250	UNKN
BLYTHEWOOD	N0WFL	1292 000	UNKN

TENNESSEE UNKNOWN

GUTHRIE (TN/KY)	W4QYQ	52 330	UNKN
#KNOXVILLE	W4QYQ	53 250	UNKN
BROWNVILLE	KB4YTJ	145 430	UNKN

CHARLESTON	KD4LDU	147 060	UNKN
ERWIN/UNICOI	KF4BRS	147 165	UNKN
FRANKLIN	WA4JA	147 255	UNKN
GTBGS/OVE MTN	KB4HJH	146 850	UNKN
KNOXVILLE	KC4ROG	146 910	UNKN
#KNOXVILLE	KD4CWB	147 000	UNKN
KNOXVILLE	KD4CWB	147 195	UNKN
LAFOLLETTE	K4AOAK	145 130	UNKN
LAFOLLETTE	K4AOAK	147 360	UNKN
LAKE CITY	WB4CAH	146 820	UNKN
LEBANON	WB4DOR	146 390	UNKN
MCMINNVILLE	WD4MWQ	146 970	UNKN
MORRISTOWN	WB4OAH	147 225	UNKN
NASHVILLE	K44NY	147 045	UNKN
SHELBYVILLE	N4VFB	147 060	UNKN
SHORT MTN	W4YXA	146 910	UNKN
SPRINGFIELD	K4KAS	224 320	UNKN
LAFOLLETTE	K4AOAK	224 280	UNKN
MORRISTOWN	N4RBB	224 400	UNKN
SEVIERVILLE	N2FUV	224 440	UNKN
SPRINGFIELD	KO4BN	224 220	UNKN
CLEVELAND	KD4NEB	442 450	UNKN
FRANKLIN	N4JUN	442 175	UNKN
GATLBS/OVE MT	W4KUH	443 300	UNKN
KNOXVILLE	N4UAG	443 025	UNKN
KNOXVILLE	K4A4ZQ	443 075	UNKN
KNOXVILLE	KD4CWB	443 500	UNKN
KNOXVILLE	K4A4ZQ	443 800	UNKN
KNOXVILLE	KD4CWB	444 000	UNKN
KNOXVILLE	K4NKK	442 850	UNKN
KNOXVILLE	KC4NNN	444 425	UNKN
MCEWEN	KE4KNZ	443 925	UNKN
MCMINNVILLE	WD4MWQ	444 850	UNKN
#MORRISTOWN	KD4LP	444 800	UNKN
#NASHVILLE	WB4PUB	443 050	UNKN
NASHVILLE	W4AWCK	444 575	UNKN
NORFOLK	K4PFI	444 800	UNKN
PROSPECT	W4AUX	444 600	UNKN
ROCKWOOD	K4AUX	443 975	UNKN
SHELBYVILLE	W4PZN	442 700	UNKN
NASHVILLE	KD4EZW	439 250	UNKN

VIRGINIA UNKNOWN

CHARLOTTESVILLE	N4RAG	146 895	UNKN
CHESAPEAKE	W4YSE	146 610	UNKN
ENON	WB4WVR	147 060	UNKN
HAMPTON	K4UMI	146 940	UNKN
MECHANICSVILLE	W4ML	146 805	UNKN
NORFOLK	W4AZUA	145 170	UNKN
NORFOLK	KF8PT	146 700	UNKN
RICHMOND	W4RAT	146 880	UNKN
SOUTH BOSTON	KF4LWH	145 350	UNKN
SOUTH BOSTON	KF4AGO	147 000	UNKN
VIRGINIA BEACH	W4NV	147 375	UNKN
WALKERTON	K4ADZU	146 715	UNKN
BUCKS ELBOW	N4RAG	224 320	UNKN
HAMPDEN-SYDNEY	W4JAS	224 200	UNKN
CHESAPEAKE	N4EVG	443 900	UNKN
ENON	WB4WVR	444 200	UNKN
HAMPTON	K4UMI	443 650	UNKN
PETERSBURG	WB4KZI	443 825	UNKN
RICHMOND	W4RAT	442 550	UNKN
SOUTH BOSTON	KF4AGO	443 925	UNKN
SOUTH BOSTON	KF4LWH	444 625	UNKN

WEST VIRGINIA UNKNOWN

FLATWOODS	N8CQO	53 110	UNKN
GRANTSVILLE	BE8LY	145 450	UNKN
#LENORE	KF8HL	145 390	UNKN
LEON	WB8OHX	147 180	UNKN
NEW MARTINSVILLE	KF8LL	146 985	UNKN
ST MARYS/BENS R	WB8ECC	147 030	UNKN
WEIRTON	WB8CO	146 940	UNKN
#LEON	WB8OHX	223 780	UNKN
FLATWOODS	N8ZVK	444 200	UNKN
WESTON	N8FIP	443 975	UNKN
WHEELING	N8EKT	444 975	UNKN

SERA REPEATER INDEX LISTINGS BY FREQUENCY

PLEASE NOTE: CTCSS Tone Frequencies are listed for repeaters only if the repeater sponsors agree they be listed. Tone access listing does not indicate a closed repeater.

6 METERS

52 5500 / 51 8500		
WB4JEH	#CONVERS	151.4 GA
51 2000 / 51 7000		
WA4YJN	#COMMING	
51 4400 / 51 9400		
KC5SM	KINGSLAND	82.5 GA
52 5250 / 52 5250		
WV44DC	THOMASVILLE	88.5 NC
52 0100 / 53 0100		
WA4YJN	#ROSWELL	
KC4QK	ASHLAND	107.2 KY

5NEKR	ELLISVILLE		MS
K4GRW	NEWPORT		NC
KE4QOX	THOMASVILLE	88.5	NC
W4M4T	GRAVISTON MT		TN
WA4KOG	MAMPHIS		TN
WB4BGK	NASHVILLE	114.8	TN
K4ZTN	LEXINGTON/ROCK MT		VA
W4WTA	AUGUSTA		GA
K4ITL	RALEIGH		NC
K4FTD	MORRISTOWN		TN
K2 6500 / 53 0000			
KC4UN	BISKEY MT	100.0	GA
AB8JM	NETTLETON	192.8	MS
WA4PKV	AIR BELLOWS GAP		NC
53 0000 / 53 0000			
WB4BGK	GALLATIN	114.8	TN
52 0700 / 53 0700			
WB4AEG	CARTERSVILLE	123.0	GA
K4P4T	WILLIAMSBURG	100.0	KY
KD4FVS	MARY SPRING FGP	100.0	NC
WB4UJL	ZEBULON	88.5	NC
K84MIC	GUM SPRING	203.5	VA
52 0000 / 53 0000			
KD4KW	ATL MARIETTA	118.9	GA

KF4IXW	RELSBORO	162.2	NC
K4NOC	BISHOPVILLE		SC
N4QAO	WAVERLY		TN
WB88SN	ROANOKE/POOR MT		VA
52 1100 / 53 1100			
W4GR	LAWRENCEVILLE	82.5	GA
N4XTF	GASTONIA/CRDR MT		NC
KD4BGD	LIMBERTON		NC
W4DAGN	ADAMS		VA
KB4YKV	AMELIA COURTHSE		VA
52 1300 / 53 1300			
N4BZT	DALTON		GA
N4FOT	LAWRENCEVILLE	107.2	KY
W4FOT	#HENDERSVILLE	100.0	VA
W4HFM	ALEXANDRIA		VA
WB4BG	DANVILLE(DCC)		VA
52 1500 / 53 1500			
K4W5Y	ATLANTA		GA
WB4IOB	KNXVLNG MT		TN
N4HFT	SPRINGFIELD	107.2	VA
N4CH	BEDFORD/THAX MT		VA
52 1700 / 53 1700			
W4W4DC	THOMASVILLE	88.5	NC
K4BGU	LAFOLLETTE		TN
KE4SFU	RICE		VA

N8FWL	BECKLEY	123.0	WV
52 1900 / 53 1900			
W4B4D	RALEIGH		NC
K4GAS	LITTLE MOUNTAIN	156.7	SC
W430E	COOKSVILLE		TN
WY8BD	ALDERSON		WV
52 2100 / 53 2100			

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

WD4KZK	ROCKY MT/FERRUM	107.2	VA	KD4GOT	JACKSON	TN	W4DV	AUGUSTA	100.0	GA	WXSP	FULTON	100.0	MS	
52.2900 / 53.2900				N4ARK	NASHVIL/FAIRVIEW	151.4	TN	WR4MG	PERRY	107.2	GA	NS2QC	SHARON	100.0	MS
K4PLM	#PINE LOG MT.	198.2	GA	WA4COK	#FANCY GAP	100.0	VA	AC2DC	LOUISVILLE	151.4	KY	WBAAGC	DURHAM	100.0	NC
KF4AOJ	LOUISVILLE		KY	K4YFE	RICHMOND		VA	N4VOS	STANTON		KY	K4GRW	NEWPORT		NC
KF4SKO	CHESTER		SC	W4RFV	FROST	107.2	VA	W4ECS	CHARLOTTE		NC	W4DECG	UNIV		SC
WA4AOC	FANCY GAP	100.0	VA	K8SA	SALT ROCK	110.9	WV	W43R	COINCKOT	131.8	NC	MT	PLASANT		SC
52.3100 / 53.3100				N4C500	145.1300			NC4AR	HIGH POINT	88.5	NC	K4SIR	BENTON		TN
K4SER	WILLIAMSTON		NC	K4SEX	NEWMAN		GA	KF4NOV	ROCKY MOUNT	107.2	NC	WA4QOG	MEMPHIS		TN
K4SAB	ROAN MTN		NC	W4FASG	VALDOSTA	141.3	GA	W4S3	KRYTEL BEACH	85.4	NC	K4E	MORRISTOWN		TN
R8BTJH	SHIRLEY		WV	N4UL	LOUISVILLE AREA	151.4	KY	W4J25	PUMPKINTOWN	123.0	SC	KF4SHD	MT PLEASANT	127.3	TN
52.3300 / 53.3300				K4JVF	MOREHEAD	100.0	KY	W4AM	CHATTANOOGA	118.8	TN	A4AHO	SALT		VA
AD4CC	HIGHLAND HEIGHTS	123.0	KY	W4HNC	RALEIGH	88.5	NC	KF4ZQA	ELIZIONHOLS MT		TN	KD4KAU	STAUTON	131.8	VA
W4TLF	QUINTON		NC	W4RVP	GREENWOOD	123.0	SC	KF4CET	ROCKETT	14.8	TN	W4ELH	WELCH		WV
AB4U	W. JEFFERSON	100.0	NC	K4JIR	SUMTER		SC	KF4STL	SHILOH	107.2	TN	KD4HMH	BONAIRE		GA
KC8CSE	SNOWSHOE		WV	K4CMT	CHATTANOOGA		TN	N4UTN	RUSTBURG		NC	KF4JUM	RICEBORO		GA
52.3500 / 53.3500				N4SSB	GALLATIN	107.2	TN	W8BWV	GLENNVILLE		WV	N4CLA	SWIFT MT/MARIETTA		GA
W4BEG	SOPHIA/RANDLEMAN		NC	KF4SCT	MEMPHIS	107.2	TN	KB4JF	NASHVILLE	141.3	GA	W4BAGH	BARDSTOWN/NELEN	151.4	KY
K4VCM	CHATTANOOGA		TN	K4CWPS	NASHVILLE	14.8	TN	WA4JDR	STOCKBRIDGE		GA	KF4ZTB	HUEYSVILLE	79.7	KY
N4SO	MCONARY	107.2	TN	N4VL	GALAXA/KOUT MT	103.5	VA	KC4KZT	DAVID		NC	KF4BRO	MAYSVILLE	107.2	KY
52.3700 / 53.3700				N8OYU	GLENNVILLE		WV	W8B5QJ	CHATEAU		NC	KF4SCT	KINSTON		NC
KD4MYE	YOUNGSHVILLE		NC	144.5000 / 145.1500				W8B5QJ	BAKERSVILLE		NC	W4NCC	SAURATOWN MT	100	NC
KD4PDQ	MARYVILLE		NC	K3VE	PHILIPPI	103.5	WV	K4C4PM	BAKERSVILLE		NC	N4KRG	GAFFNEY	141.3	SC
52.3900 / 53.3900				WA4AQL	ATLANTA	167.9	GA	N4LEX	LEXINGTON	88.5	NC	K4CIS	MYRON/CONWAY	179.3	NC
K44JFM	DECATUR		GA	K4YAG	KEY MACON	77.0	KY	K4JIT	ROSEBORO		NC	W4B4BI	KNOXVILLE		TN
K44KRC	WAYNESBURG	100.0	GA	K4YAG	MICHELLE		NC	W44CHR	CHESTER		SC	KF4RBR	MOUNTAIN CITY	103.5	TN
K4YOZ	#RANLO	107.2	NC	AD4BI	PIKEVILLE	107.2	KY	W4APNI	ATHENS	141.3	TN	N4ARK	NASHVILLE		TN
W83R	AMELIA		VA	K2IMO	ELM CITY	88.5	NC	KF4SC	JACKSON		NC	W4B4BI	NASHVILLE		TN
52.4100 / 53.4100				K2IMO	ELM CITY	88.5	NC	W4QSO	FAIRMONT	151.4	NC	W4B4BI	NASHVILLE		TN
W4YYIN	EPFLAND	107.2	NC	K4CXB	HATTERS ISLAND	131.8	NC	KD4KWP	CHESTERFIELD	27.3	VA	W8FG	SUMMERSVILLE	100.0	WV
KO4MZ	GVL/CSRS HEAD	131.8	SC	N4WHV	#LUMBERTON		NC	N8FCJ	BECKLEY/LAYLAND	100.0	WV	144.8900 / 145.4900			
52.4300 / 53.4300				K8HMD	INMAN		NC	K8BTJH	SHIRLEY		WV	W4DV	AUGUSTA		GA
KD4JUL	BOLINGBROKE		GA	K4HMD	INMAN		NC	W44700 / 145.3100				N4WJUL	JACKSONVILLE	103.5	GA
W4DCEY		151.4	GA	K4HMD	INMAN		NC	N4XJN	ST SIMONS ISLAND	131.8	GA	W4LMA	MARIETTA	88.5	GA
AD4DN	WILMINGTON	88.5	NC	W4KX	FRANKLIN	141.3	TN	KF4INN	VERSAILLES		KY	NSVKG	TUPELO		MS
K4GX	KINGSFIELD		TN	K4KX	MEMPHIS		TN	KF4INN	VERSAILLES		KY	NSVKG	TUPELO		MS
K4DSLU	CHESTERFIELD		VA	K4ARO	GREENBAY		VA	K5DMC	KILN		MS	N4T4	FRANKLIN		NC
N4S3O	VESTA	107.2	VA	K4ARX	GREENBAY		VA	K4ARX	GREENBAY	100.0	NC	W4B4BI	KNOXVILLE	107.2	NC
52.4500 / 53.4500				W4ARX	GREENBAY		VA	N4VRD	MOUNT AIRY	100.0	NC	W4BWC	RALEIGH	88.5	NC
W4D4VN	#CARTERSVILLE		GA	144.5700 / 145.1700				KF4JVI	TRYON		NC	W4APE	CHEWAS		SC
KC4SIA	LAUREL		MS	WA4WIF	JONESBORO		KY	W44JFP	BRAMBLE		NC	W4AKOG	BRADEN		TN
W4UNC	CHARLTON HILL		NC	W8PRH	HALLS GAP		KY	W44JFP	BRAMBLE		NC	W4H4H	LYNCHBURG/SHST MT		TN
N4Y	MONTEAGLE MTN	114.8	TN	K4CCR	ANDSN MT/DENVER	88.5	NC	W44JFP	BRAMBLE		NC	K4C	AMHERST	136.5	VA
K8GP	BULLRUN		VA	N4NCK	OXFORD		NC	W44JFP	BRAMBLE		NC	W8MOP	BLUEFIELD		VA
52.4700 / 53.4700				K4YAS	AIKEN		NC	KF4ZBH	FARMVILLE		VA	W44CHX	HAMPTON		VA
K44JFM	PEARLSBURG	107.2	VA	K4NCK	WESPOH/VILLE	123.0	NC	W8B4BI	WILLIAMSON		WV	W8B4BI	WILLIAMSON		WV
W4B4BI	CONYERS	151.4	GA	KF4SCT	BRUCETON	107.2	TN	W8B4BI	WILLIAMSON		WV	145.0100 / 146.0100			
N4QOJ	KNOXVILLE	100.0	TN	W8B4BI	KNOXVILLE		TN	W44QOC	ATLANTA	146.2	GA	W4B4BI	CONYERS	151.4	GA
W4RDK	MEMPHIS		TN	W8B4BI	KNOXVILLE		TN	W44QOC	ATLANTA	146.2	GA	K44JFM	CORBIN		KY
52.5700 / 53.5700				W8B4BI	KNOXVILLE		TN	KD4MFS	OCILLA	100.0	GA	K44JFM	CORBIN		KY
KD4AOZ	WATKINSVILLE	123.0	GA	W8B4BI	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
K44JFM	LEXINGTON		GA	W8B4BI	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
K44JFM	LYNCHBURG	103.5	VA	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
KF4DSS	KVILLE/HPOINT	103.5	NC	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
KF4IWA	MOUNTAIN REST		WV	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
W8B4BI	BECKLEY	107.2	WV	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
52.6800 / 53.6800				K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
AB4U	MT MITCHELL	100.0	NC	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
W8B4BI	CHARLESTON	107.2	WV	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
52.6800 / 53.6800				K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
K4C5SB	ROCKY MOUNT		NC	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
K4BYV	WHITE TOP MTN		VA	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
52.6700 / 53.6700				K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
W44WHS	BARILUM SPRINGS		NC	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
51.2000 / 53.7100				K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
KF4OVN	DRESDEN	107.2	TN	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
W8B4BI	WATKINSVILLE	107.2	WV	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
W8B4BI	RICHWOOD	107.2	WV	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
51.2200 / 53.7300				K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
K4YC	IVEY MACON	88.5	GA	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
52.7500 / 53.7500				K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
W4YWH	HIGHLAND HEIGHTS		NC	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
W4B4BI	DURHAM		NC	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
K4GX	#ROGERSVILLE	114.8	TN	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
N8PEI	MARMT/CHARLSTN	141.3	WV	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
52.7700 / 53.7700				K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
W4GL	SUMTER		NC	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
W4BEB	KNOXVILLE	100.0	TN	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
52.7900 / 53.7900				K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
WR4MG	WARNER ROBINS		GA	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
W4ANC	BOONE	100.0	NC	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
52.8100 / 53.8100				K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
W4DKNE	STANTON		NC	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
W4BSRV	CLAREMONT	118.8	NC	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
W4E5M	#FAVETTEVILLE		NC	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
52.8600 / 53.8600				K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
K4E4VS	HAZARD		KY	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
52.9000 / 53.9000				K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
W83Y	LAKE PARK	141.3	GA	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
W84HUG	LULA	82.5	GA	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
W44OCHX	HAMPTON		VA	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
52.9100 / 53.9100				K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
K44JZ	LONDON	100.0	KY	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
52.9300 / 53.9300				K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
W4GMM	MEMPHIS	107.2	TN	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
K4YCBRN	LEWISBURG		WV	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
52.9500 / 53.9500				K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
W84WSB	LAGRANGE		KY	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
52.9700 / 53.9700				K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
KD4FWS	MT AIRY	100.0	NC	K44JFM	KNOXVILLE		TN	K44JFM	OCILLA	100.0	GA	K44JFM	CORBIN		KY
52.9800															

SERA REPEATER INDEX LISTINGS BY FREQUENCY Continues

WD0JNU	RAVENSWOOD	.....	WV	146.0800	146.8050	GA	KEAZBH	FARMVILLE	.....	VA	W5LSD	OCEAN SPRINGS	.....	MS				
146.0810	146.6850	.....	GA	K4PQD	MACON	.....	77.0	GA	K4TUE	MT LAKE/BALD KNB	107.2	VA	K348TN	GREENSBORO	.....	131.8	NC	
WD04WL	ADAIRSVILLE	.....	GA	K4PQD	ELKTON	.....	77.0	GA	N8BO	MOENCHEN	.....	WV	K4NMB	WATKINSVILLE	.....	156.7	NC	
K4KZY	FAYETTEVILLE	.....	GA	K4PQD	HARZARD	.....	192.8	MS	146.3250	146.8250	.....	VA	K4NMB	WATKINSVILLE	.....	156.7	NC	
K4KZY	GEORGETOWN	.....	107.2	VA	K4PQD	STARKVILLE	.....	192.8	MS	W4A4SI	CONVINGTON	.....	GA	K4NMB	WATKINSVILLE	.....	156.7	NC
N4WJS	OWENSBORO	.....	110.9	VA	K4PQD	FAYETTEVILLE	.....	192.8	MS	W4B9J	RADCLIFF	.....	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W5KHB	NATCHEZ	.....	MS	K4PQD	GASTONIA/CROWD	.....	118.8	NC	W4B9J	BISSELLVILLE	.....	VA	K4NMB	WATKINSVILLE	.....	156.7	NC	
W4NBR	GRIFTON	.....	88.5	NC	K4PQD	ROCKY MOUNT	.....	156.7	SC	W4B9J	CLEVELAND	.....	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4EWSX	STATESVILLE	.....	NC	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CUMBERLAND CITY	127.3	TN	K4NMB	WATKINSVILLE	.....	156.7	NC	
K4USL	UNION	.....	NC	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	JONESBOROUGH	.....	VA	K4NMB	WATKINSVILLE	.....	156.7	NC	
K4F4HR	WALLAND	.....	88.5	TN	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4I2MS	BEDFORD/PL ORCH	100.0	VA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC	
N8FMD	CLARKSBURG	103.5	WV	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC	
W8BAM	DANVILLE	.....	WV	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC	
146.1000	146.7000	.....	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC	
W4MAM	ALBANY	.....	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC	
K4UJO	JASPER	.....	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC	
K4BWK	LAGRANGE	.....	141.3	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4NLX	SAVANNAH	.....	151.4	VA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4YKY	BROOKS	.....	107.2	MS	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4G4Z	GRAYSON	.....	107.2	MS	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W5L	GRENADA	.....	167.9	NC	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4G4L	CROSSBORO	.....	167.9	NC	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
N4CJD	DUNN	.....	100.0	TN	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W4P4K	LANCASTER	.....	114.8	TN	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W4P4K	PICKENS	.....	107.2	VA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4F4YU	ANDERSON CTY	.....	100.0	TN	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W4UOT	MANCHESTER	.....	114.8	TN	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W4B4MI	RAMER	.....	107.2	VA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W4YGM	DANVILLE	.....	107.2	VA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4AU	UNION CITY	.....	107.2	VA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
AF4FB	PENNINGTON GAP	103.5	VA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC	
K4D4WF	STANTON	131.8	VA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC	
146.1100	146.7100	.....	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC	
K4FAO	HOPKINSVILLE	.....	100.0	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
146.1150	146.7150	.....	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC	
K4NVS	AVANNA	.....	100.0	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W44BZ	RINGOLD	67.0	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC	
K4FOCT	BEREA	.....	100.0	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4DJFN	HAW RIVER	.....	107.2	NC	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
N4GON	MILLERS CREEK	.....	107.2	NC	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K44JL	SATLITO	.....	107.2	NC	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W5KIC	BLACKSBURG	.....	107.2	VA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
146.1300	146.7300	.....	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC	
W4MAM	ALBANY	.....	100.0	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4TVE	BRUNSWICK	.....	100.0	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W4RDH	MACON	.....	100.0	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
AC4AO	LEXINGTON	.....	100.0	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K5FJ	MIAMI	.....	100.0	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K5GJV	STARVILLE	.....	210.7	MS	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W4BWC	RALEIGH	.....	88.5	NC	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W4EXU	SALISBURY	.....	94.8	NC	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W4VKN	WILMINGTON	.....	100.0	NC	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4NAB	N. AUGUSTA	.....	100.0	NC	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W44JX	SIMPSONVILLE	.....	100.0	NC	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W54IOB	KNOX/ENG MT	.....	107.2	TN	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K44LZ	MEMPHIS	.....	107.2	TN	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4DEHL	WATERGTON	.....	107.2	TN	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W4OR	HAMPTON	.....	100.0	WV	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W8BSPW	LEWISBURG	.....	100.0	WV	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
146.1450	146.7450	.....	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC	
K4D4HC	ATHENS	.....	100.0	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4WOC	CALHOUN	.....	141.3	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4DRTR	MILLARD	.....	141.3	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K5VJZ	NEW ALBANY	.....	94.8	NC	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4D4CP	MORGANTON	.....	94.8	NC	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
N4N4N	DILLON/PEE DEE	.....	100.0	NC	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W4B4CK	DYERSBURG	.....	100.0	NC	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4VHL	HARRISMAN	.....	107.2	VA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4RCA	ROANOKE/POOR MT	107.2	VA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC	
146.1600	146.7600	.....	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC	
K54QO	LOOKOUT MT.	67.0	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC	
W4BCC	STONE MOUNT	.....	107.2	VA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W4R4M	UNADILLA	.....	107.2	VA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4B4JM	VALDOSTA	.....	141.3	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K44JQ	LEXINGTON	.....	100.0	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4C4UW	PAULINA	.....	100.0	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W5AXO	JACKSON	.....	100.0	GA	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
W44BVW	ASHLYMT PISGAH	.....	100.0	NC	K4PQD	CROSSVILLE	.....	107.2	VA	W4B9J	CHARLOTTEVILLE	107.2	VA	K4NMB	WATKINSVILLE	.....	156.7	NC
K4																		

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

WD4UN	ROANOK RAPIDS	82.5	NC	VA4PWW	ASHBURN/TIFTON	103.5	GA	WA8VJ	DAKFIELD		TN	KC4ZTJ	SHELBY		GA
WD4UN	MONCKS CORNER	82.5	SC	VA4WZY	ATLANTA		GA	WA8VJ	DAKFIELD		WV	WB4CBN	WILSON		NC
WA4PCD	NASHVILLE WEST	114.8	TN	KC4WVV	KINGSLAND	118.8	GA	NB8FC	KEYSBURG	123.0	WV	WD4UN	MONCKS CORNER	82.5	NC
KE4AJ	OKA RIDGE	82.5	TN	KC4ZFH	LONDON		VA	WV8D	LEWISBURG	100.0	WV	KE4IFX	NORCROSS	88.5	NC
WB4CBN	WILSON	82.5	NC	WV8D	LONDON		VA	WV8D	LEWISBURG	100.0	WV	WA4EX	LOCUS	100.0	VA
KB8YDG	RICHWOOD	100.0	WV	KB5TA	CORINTH		MS	WV8CVP	PAKERSBURG	141.3	WV	K4ZG	NASHVILLE	100.0	TN
147.7650 / 147.1650				NA4DM	AIKEN		SC	220.202				K4DHZ	ROGERSVILLE		VA
N4NEO	MORGANTON	151.4	GA	W4BCH	MY BCH/BRKSVL		SC	222.300	223.900			222.900	224.500		GA
W4W5M	BOWLING GREEN		TN	W4RWC	WHITE OAK MTN		SC	WB4SVJ	HEMIFAGE			NA4MTA	ACWORTH/ATL	123.0	GA
WA4HEM	LEXINGTON		VA	KF4JPT	PIKEVILLE		VA	222.300	223.900			NA4ND	SPHERDSDVILLE	151.4	MS
WB4UBV	PRESTONSBURG		VA	KF4KVG	MARTINSVILLE	107.2	VA	KC4OC	ASHLAND		VA	NA4DL	BYHALIA		GA
WB4UBV	HIGH POINT		NC	K4A2P	WARSAW		VA	WA4JM	MEMPHIS		#	AD4DN	WILMINGTON	88.5	NC
KD4PE	LUMBERTON	88.5	NC	NH8ON	SPRUCE KNOB		WV	222.360	223.960			WA4BB	KNOXVILLE/RACK	100.0	TN
WD4GW	GREENWOOD	107.2	SC	147.9000 / 147.3000				WV8S	SMITHVILLE		GA	K4RCA	MARTINSVILLE	100.0	VA
WA4CEX	NEWPORT		VA	NA4LE	COLBERT		GA	WACAT	GALLATIN			222.920	224.520		GA
W4W5M	SPARTA WHITE	123.0	VA	W4RWC	WARNER ROBINS	107.2	GA	222.420	224.020			TE4AIS	PINE LOG MTN		GA
W4W5M	NEWPORT		VA	K4CIN	ALLEN	123.0	VA	224.420	224.020			WR4AMS	DORTON		GA
W4W5M	WESTON		WV	WA4SJH	SPRINGFIELD		VA	222.500	224.100			K4RWN	WILSON MTN		GA
147.7800 / 147.1800				W4W5M	SPRINGFIELD		VA	K4UJHL	NANCY	100.0	VA	NA4YE	DALLAS		GA
WD4WV	WARNER ROBINS		GA	W4Y5B	JEFFERSON	103.5	MS	W4UWH	FRANKLIN	94.8	VA	WB4WVW	MT MITCHELL		VA
KE4ZDJ	LONDON	151.4	VA	NA4JEX	KANNAPOLIS	136.5	NC	NA4CH	ROANOK		VA	WB4PVT	HAMPTON	107.2	VA
W4CIN	LOUISVILLE	88.5	VA	W4MTP	RED SPRINGS		VA	222.520	224.120			224.960	224.560		GA
W4CIN	LOUISVILLE	88.5	VA	W4MTP	RED SPRINGS		VA	222.520	224.120			224.960	224.560		GA
W4Y1YN	ELAND	156.2	NC	K4LWS	AWENDAW	88.5	VA	W4M4M	MIDDLEBORO	82.5	VA	224.960	224.560		GA
AC4CR	WILMINGTON	88.5	NC	K4ALL	GALLATIN	114.8	TN	W4GL	SUMTER		VA	224.960	224.560		GA
W4HNS	WILSON	123.0	NC	W4BEB	KNOXVILLE/RACK	100.0	TN	WV8B	FLAT TOP/WINTRPL		WV	W4BYZF	FAYETTEVILLE		NC
WD4ES	CLEVELAND	118.8	TN	KD4ITB	FRANKLIN	131.8	VA	KD4LC	WALESA		GA	W4GTM	COLUMBIA	162.2	SC
WA4QES	MEMPHIS		VA	K4I2R	LEXINGTON	131.8	VA	WSSAR	WAYNESBORO		VA	222.980	224.580		GA
K4ZGA	NASHVILLE	114.8	TN	WB8NS	HARISV/PENSBO		WV	WR4BEG	SOPHIS/RANDLEMAN		NC	NX3RO	ALPHARETTA	100.0	GA
WD4ITN	AMELY COURTHSE		VA	147.9150 / 147.3150				K4BKG	ONDIS/CSRS HD	131.8	TN	WR4FMS	ROCKY MOUNT		NC
WD4ITN	MONTEREY	100.0	VA	W4STJ	FORSTHY	88.5	GA	NA4HV	CHARLOTTEVILLE	88.5	VA	NA4KFI	KNOXVILLE	103.5	TN
WB3S	PKS BK/PULASKI	103.5	VA	K4CTH	#HODGENVILLE		VA	WR4M	WILLIAMSON		WV	223.000	224.600		GA
147.7950 / 147.1950				W4W5M	SPRINGFIELD		VA	222.560	224.160			W4UWH	FRANKLIN	94.8	VA
W4W5M	BOSTON		GA	W4W5M	SPRINGFIELD		VA	K4CINN	NANCY	100.0	VA	WB4WVW	MT MITCHELL		VA
K4UJF	LEXINGTON		VA	KF4HFO	ROLSVILLE	88.5	NC	KN4KN	LENOIR/HIBTIN		NC	KK4UL	#THOMASVILLE		NC
NA4IN	ELNOR		NC	K4MJP	SAURATOWN MT	100.0	NC	WR3S	NASHVILLE		TN	KD4TZ	MURFREESBORO	123.0	TN
W4APE	FLORISS		NC	W4LPT	SHAL OTTE	141.3	NC	W4EMT	ELMTN		VA	223.020	224.620		GA
KC4VF	ARNOLD A.F.B		VA	KD4HZN	R. SPARTANBURG	141.3	SC	W4EMT	ELMTN		VA	223.020	224.620		GA
AF4QO	SARDIS		NC	KD4HZN	ROGERSVILLE	114.8	TN	NA4YD	DALLAS		VA	W4PME	ATLANTA/BELL	100.0	GA
W4W5M	LYNNBURG	136.5	VA	NA4RK	SPARTANBURG	123.0	TN	KANRL	CHARLESTON	88.5	SC	KD4DAR	PIKEVILLE	100.0	GA
W4TRA	WINTHFIELD	100.0	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	K4DJFN	HAW RIVER	107.2	NC
NV8H	LOGAN SOUTH	100.0	WV	K4HWO	GRUNDY		VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
147.8100 / 147.2100				147.9300 / 147.3300				222.600	224.200			W4GFS	GLOUCESTER		NC
W4FQV	CONWAY	162.2	GA	W4FQV	CONWAY	77.0	GA	KC4OYV	#ATLANTA-NE	100.0	GA	223.000	224.600		GA
K4NXL	SAVANNAH	103.5	GA	W4B4XO	SAVANNAH		GA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
KD4BFX	BLACK MOUNTAIN	103.5	GA	K4NXL	SAVANNAH		GA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
K4HJ	OWENSBORO	110.9	VA	K4NXL	SAVANNAH		GA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
WB4SPJ	UNION	100.0	NC	K4NXL	SAVANNAH		GA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
WB4UZ	GREENSBORO		NC	K4NXL	SAVANNAH		GA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4SLH	ORIENTAL		NC	K4NXL	SAVANNAH		GA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4NTQ	WHITEVILLE		NC	K4NXL	SAVANNAH		GA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4NUJ	WILSON	100.0	NC	K4NXL	SAVANNAH		GA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4WS	DOCKVILLE		NC	K4NXL	SAVANNAH		GA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4FQ	JOCKO	107.2	TN	K4NXL	SAVANNAH		GA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
KB8HJ	AMBER RIDGE	107.2	WV	K4NXL	SAVANNAH		GA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4W5M	WINTHFIELD	100.0	VA	K4NXL	SAVANNAH		GA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
147.8250 / 147.2250				147.9450 / 147.3450				222.640	224.240			223.080	224.680		GA
KG4ABK	DOERUN		GA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4RLP	#SUMMERVILLE	100.0	GA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4W5M	BYALAMORE		NC	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
WB4SRV	CLAREMONT	162.2	NC	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
WR4AGV	WILSONBOROUGH		NC	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4D7W	SANTEE		NC	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
K4W4E	WINTHFIELD	100.0	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
K4AXR	HAMPTON	136.5	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
WB8NRK	PRINCETON	114.8	WV	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
147.8400 / 147.2400				147.9600 / 147.3600				222.700	224.300			223.100	224.700		GA
W4W5M	EMERSON	103.5	GA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
WB4NFN	IRWINTON	77.0	GA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
KC4QK	ASHLAND	107.2	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4GZ	FARMING FORT	91.5	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4W5M	FRANKFORD	100.0	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
KF4TLT	HYDEN	186.2	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4W5M	RAYMOND	136.5	MS	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4W5M	CARTHAGE		NC	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4W5M	WINTHFIELD	100.0	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4W5M	FRANKLIN	151.4	NC	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4W5M	HILTON HEAD		SC	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
AC4VY	LANCASTER	88.5	NC	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4W5M	GALLATIN	114.8	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
KD4ZTK	BOYDTON		VA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
NA4MQ	ELK CRK/IRON MTN	107.2	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
KB9BG	EGGASAWA	123.0	WV	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
147.8600 / 147.2600				147.9800 / 147.3800				222.760	224.360			223.160	224.760		GA
K4R4N	SNELLVILLE	107.2	GA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
AE4PO	WYACROSS	141.3	GA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4W5M	HAND AND HTS.		NC	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
KC4RC	LAUREL		MS	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4W5M	ASHEBORO		NC	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4W5M	HENDEN/SPENIC		NC	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
K4W5M	WINTHFIELD	100.0	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
K4W5M	PETROS/FRZ HD MT	156.7	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
K4W5M	ACOLING		VA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
WD4OCY	ACOLING		VA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4UWH	GATLINBURG		TN
W4W5M	WINTHFIELD	100.0	VA	W4W5M	TELLICO PLAINS	141.3	VA	W4W5M	TELLICO PLAINS	141.3	VA</				

SERA REPEATER INDEX LISTINGS BY FREQUENCY *Continues*

N4AI	SOMERSET	.....	KY	WUJ	CHATTANOOGA	.....	TN	WAAMPZ	#LUFTON	.....	SC	KD4TAH	FRANKLIN	.....	KY
N4DRL	WARSAW	.....	MS	K4BN1	DRESDEN	.....	TN	447.700	442.7000	.....	GA	K4S4T	WADY	.....	NC
K4AII	ANDRWS/ROBINSV	.....	NC	N4DRL	PULASKI	.....	TN	K4CZGN	ELLIJAY	.....	GA	K4KZM	WALCH	.....	NC
K4QOQ	FANCY GAP	.....	VA	K4D3UJ	CHESTERFIELD	.....	118.8	W7CP	SAVANNAH	.....	VA	W8LG	BECKLEY/BOLT	.....	WV
223.3000	224.9000	.....	GA	447.1750	442.1750	.....	VA	447.7250	442.7250	.....	VA	448.2500	443.2500	.....	GA
W4LMA	MARIETTA	.....	GA	N4BZJ	DALTON	.....	118.8	K4A0FG	MARIETTA/ATL	.....	VA	K4AJN	#BISKEY MTN	.....	100.0
N4EQT	LAWRENCEBURG	.....	107.2	K4NGQ	FRANKFORT	.....	67.0	K814V	QUICKSVILLE	.....	151.4	K4JVF	DAKOTA	.....	GA
WM4T	GRAY	.....	TN	N4LWK	ROXBORO	.....	156.7	N4GLB	SIMPSONVILLE	.....	151.4	N4JEX	CHINA GROVE	.....	136.5
W0JGJ	SWEETWATER	.....	TN	W4JUS	WILMINGTON	.....	107.2	W4RDM	COLUMBIA	.....	TN	K4K4LW	ROCKMART	.....	179.9
AA4HG	DELTAVILLE	.....	VA	W4GMM	MEMPHIS	.....	107.2	K4E4MBR	DECATUR	.....	141.3	K4TLA	ASHVEH	.....	103.5
K4YDG	ROANOKE/INKER	.....	VA	447.2000	442.2000	.....	GA	W4WMS	OF DAN	.....	103.5	W4WHTX	ROUGE/METRED MT	.....	100.0
223.3200	224.9200	.....	GA	K4F4SKT	BLAIRSVILLE	.....	107.2	K8BPCW	GILBERT	.....	WV	W4AWI	LEBANON	.....	107.2
W4XCSA	SNEEDSVILLE	.....	100.0	N4C4P	CAMPBELL	.....	107.2	447.7500	442.7500	.....	GA	448.3000	443.3000	.....	GA
W4NYK	GRNVL/DOWNTWN	.....	85.5	NSDWU	ELLISVILLE	.....	167.9	W4K2KZ	ROANOKE/MILL MT	.....	107.2	W4B4VNT	ATHENS	.....	167.9
W4LOC	SIGNAL MT	.....	TN	W4U2S	WILMINGTON	.....	107.2	W4C4E	MADISONVILLE	.....	107.2	K4K4UL	DAKOTAS	.....	107.2
W4BO	BLUEFIELD	.....	VA	W4GUS	ORANGEBURG	.....	107.2	K4F4CDR	CHARLESTON	.....	127.3	K4K4UJ	ARCHDALE	.....	131.8
223.3400	224.9400	.....	GA	K4YUX	BETHPAGE	.....	100.0	W4E4P7	MOUNTAIN REST	.....	127.3	K4C4IEV	SUMDALE	.....	123.0
K4B4GS	WALESKA	.....	GA	W4M4T	GRAY	.....	103.5	K4C4ICF	FLAASKI	.....	107.2	W4JUEC	COLLIERVILLE	.....	107.2
AD4RU	IRVINE	.....	NC	N4FIC	LYNCHBURG/TROW	.....	103.5	447.8000	442.8000	.....	GA	448.3250	443.3250	.....	GA
N4JJI	FLORENCE	.....	TN	W4BTR	ATLANTA	.....	107.2	N4NFP	ATLANTA/MARIETTA	.....	100.0	N4JMD	STOCKBRIDGE	.....	GA
W4B4NM	GREENEVILLE	.....	TN	W4J4J	ROCKWOOD/OZONE	.....	110.9	N4AAD	YACKINVILLE	.....	100.0	W4ACMO	FRANKFORT	.....	131.8
W4APCD	NASHVILLE	.....	VA	N4J4J	WAWERY	.....	107.2	W4DLR	LAKE CITY	.....	100.0	K4K4KZ	GREENEVILLE	.....	107.2
AB4EM	ROA/CAHAS MT	.....	VA	W4B4UG	STUART	.....	107.2	K4EMC	GUM SPRING	.....	103.5	W83T	BLUEFIELD/ONEIDA	.....	103.5
223.3600	224.9600	.....	GA	447.2250	442.2250	.....	VA	447.8250	442.8250	.....	GA	448.3500	443.3500	.....	GA
PT4REL	ATLANTA/MARIETTA	.....	100.0	NSDWU	ELLISVILLE	.....	167.9	W1CPC	CLAYTON	.....	162.2	N4YYD	FT. MT/CHATS/STW	.....	71.9
K4C4ZTJ	CHERRYVILLE	.....	NC	K84PQA	GREENVILLE	.....	118.8	W4Y1YN	SAURATOWN MT	.....	131.8	K4LULV	LOUISVILLE SW	.....	107.2
W3PS	GOLDSBORO	.....	156.7	W4ODES	CLEVELAND	.....	118.8	W4M4M	MEMPHIS	.....	107.2	N4JEX	KANNAPOLIS	.....	136.5
W3RS	SE NASHVILLE	.....	TN	W4H4H1	WINSTON	.....	107.2	W4B0GH	LAWRENCEVILLE	.....	82.5	ND4N	GRNVL/PARIS MT	.....	107.2
223.3800	224.9800	.....	VA	447.2750	442.2750	.....	GA	W4H2R	GILBERTSVILLE	.....	103.5	W4AAWI	DEAR	.....	107.2
K4C4G	LONDON	.....	VA	K4D4H	MACON	.....	100.0	AG4AZ	REYARD	.....	107.2	W4R4G	ROGERSVILLE	.....	107.2
440 MHZ				N4ZCM	AUBURN	.....	100.0	K444XK	ROA/POOR MT	.....	103.5	448.3750	443.3750	.....	GA
W4ZTJ	ATLANTA/BELL	.....	GA	K4D4H	MACON	.....	100.0	W8BNSL	PENNSBORO	.....	103.5	K4C4AOS	JASPER	.....	100.0
K4N4X	SAVANNAH	.....	NC	K4D4H	MACON	.....	100.0	PT4REL	ATLANTA/MARIETTA	.....	100.0	W1F1L	RALEIGH	.....	103.5
K4J4SO	DURHAM TV HILL	.....	NC	447.3000	442.3000	.....	VA	447.8500	442.8500	.....	GA	448.4000	443.4000	.....	GA
K4HAT	GREENSBORO	.....	NC	K4W4V	WALKER/MAJOR TOP	.....	94.8	W4G4S	GREENSBORO	.....	88.5	W84GWA	CONCORD	.....	118.8
W4D4AT	JOHNSON CITY/BUF	.....	WV	W4B4UJ	ZEBULON	.....	88.5	K4C4DMS	SPIEV'S CORNER	.....	107.2	N4JUS	BYRON CITY	.....	151.4
W44GSS	HUNTINGTON	.....	WV	K4C4ED	SUMMERVILLE	.....	107.2	K4C4WHL	HARRIMAN	.....	136.5	K4B4UG	SAURATOWN MT	.....	107.2
K8BQHO	WHEELING	.....	WV	K4C4VZ	RICHMOND	.....	114.8	K4C4H	OPRF	.....	203.5	AD4DN	WILMINGTON	.....	88.5
439.2500	442.2500	.....	NC	447.3250	442.3250	.....	GA	447.9000	442.9000	.....	GA	AC4WV	AIKEN	.....	107.2
W4B4J	ELIZABETH/TOWN	.....	NC	W4J4J	MABLETON	.....	107.2	K3TD	BUFORD	.....	103.5	W4D4B	CUMBERLAND CITY	.....	107.2
W4PPN	CHARLOTTE	.....	NC	K4J4V	INDEPENDENCE	.....	100.0	W4H4M	WARNER ROBINS	.....	103.5	W4C4WV	MEMPHIS	.....	TN
W4Z4O	SUMTER	.....	NC	W4M4MD	WADSWORTH	.....	67.0	W4W4C	THOMASVILLE	.....	88.5	W4C4E	DAKOTAS	.....	107.2
AF4TZ	NASHVILLE	.....	VA	W4M4MD	WADSWORTH	.....	67.0	N4W4T	CHATT/HIXSON	.....	107.2	K4D4EVB	DRY RIDGE	.....	100.0
N4XND	GLOUCESTER	.....	VA	W4M4MD	WADSWORTH	.....	67.0	K4E4CES	JACKSON	.....	114.8	W4Y1YN	REST. TRIANGLE PK	.....	156.7
W4HTB	BOWLING GREEN	.....	NC	W4M4MD	WADSWORTH	.....	67.0	447.9250	442.9250	.....	GA	AE4NU	COX'S CREEK	.....	151.4
K4SNOJ	GAUTIER	.....	MS	W4D4H	BALDWIN	.....	136.5	K4C4YHM	EATONTON	.....	107.2	K4C4LW	GAUTIER	.....	123.0
N3XA	WAYNESBORO	.....	VA	K4D4H	MACON	.....	100.0	K4C4H	LEXINGTON	.....	107.2	N5W5D	WEST POINT	.....	107.2
W4K3OK	CHESTERFIELD	.....	VA	K4D4H	MACON	.....	100.0	W4D4OAR	CHARLESTON	.....	107.2	N4V4C	STATESVILLE	.....	107.2
426.2500	439.2500	.....	VA	W4A4YD	LINCOLN	.....	107.2	K4C4RBA	LYNCHBURG	.....	186.2	448.4750	443.4750	.....	GA
N4HFL	ROA/POOR MT	.....	TN	447.3750	442.3750	.....	VA	W4E4E	BOGART	.....	179.9	W4E4E	BOGART	.....	192.8
446.2500	441.2500	.....	NC	K4C4FQ	MARIETTA	.....	107.2	W4C4E	TAYLORSVILLE	.....	151.4	K4E4UJ	CANTON	.....	156.7
NO4Y	MONTEAGLE MT.	.....	TN	W4E4YR	SHILBYVILLE	.....	107.2	AB4FU	LYNCHBURG	.....	79.7	W4U4NC	CHAPEL HILL	.....	131.8
K4D4XR	#WALESKA	.....	GA	W4APXV	HICKORY	.....	107.2	W444VZ	ATLANTA	.....	107.2	W4Z4SC	FORT MILL	.....	107.2
W44USN	KNIGHTSVILLE	.....	NC	447.4000	442.4000	.....	VA	W444VZ	ATLANTA	.....	107.2	K8B4UD	RICHWOOD	.....	WV
W44USN	MT. PLEASANT	.....	SC	W4B4QJ	ZEBULON	.....	127.3	K4D4E	ROSWELL	.....	156.7	N4M4T	MARIETTA	.....	123.0
446.6000	441.6000	.....	VA	W4B4QJ	ZEBULON	.....	127.3	K4D4E	ROSWELL	.....	156.7	K4B4RO	MADEIRA	.....	107.2
W44AYB	RICHMOND	.....	VA	K4Y4V	LYNCHBURG/GA MT.	.....	107.2	K4D4E	ROSWELL	.....	156.7	W4B4UJ	META	.....	107.2
W44AYB	RICHMOND	.....	VA	447.4250	442.4250	.....	VA	N4K4W	LITTLE MT	.....	100.0	W4B4UJ	META	.....	107.2
446.6250	441.6250	.....	NC	K4HCA	CLARKSVILLE	.....	107.2	K8B4SP	ABINGDON	.....	162.2	W4B4UJ	META	.....	107.2
W4ERT	TAYLORSVILLE	.....	151.4	K4C4F	MADISONVILLE	.....	107.2	448.0000	443.0000	.....	GA	W4B4UJ	META	.....	107.2
446.7250	441.7250	.....	NC	AF4TZ	CHAT/WALDEN	.....	107.2	K4T4GB	BARSTOWN	.....	107.2	N5CWH	GILBERT	.....	162.2
W4ERT	TAYLORSVILLE	.....	151.4	W4C4M	SNELLVILLE	.....	107.2	K4I4RK	PIKEVILLE	.....	107.2	K4C4DMS	443.5250	.....	179.9
446.8000	441.8000	.....	GA	K4D4C4R	QUICKSVILLE AREA	.....	151.4	W4C4J	MEMPHIS	.....	107.2	NA4EU	LENOIR/CAJAH MT	.....	107.2
K4Y4NF	ACWORTH	.....	77.0	W4A4TG	HENDERSVILLE	.....	107.2	W8B4EZR	HUNTINGTON	.....	103.5	K4D4MJO	SOUTH HILL	.....	100.0
446.8750	441.8750	.....	GA	N4L4M	RALEIGH	.....	107.2	448.0250	443.0250	.....	GA	448.5000	443.5000	.....	GA
K4D4TZ	MURFREESBORO	.....	107.2	W4A3OK	CHESTERFIELD	.....	107.2	W4C4M	ATLANTA	.....	127.3	K4E4W4P	GRIN	.....	107.2
446.9000	441.9000	.....	GA	447.4750	442.4750	.....	VA	K4D4E	DUBLIN	.....	156.7	K4E4W4P	GRIN	.....	107.2
W84GQ	CUMMING	.....	141.3	N4L4M	RALEIGH	.....	107.2	K4E4QOL	LEXINGTON	.....	123.0	W4SSAR	WAYNESBORO	.....	107.2
446.9250	441.9250	.....	GA	K4S4QA	LOOKOUT MT.	.....	67.0	W4B4KJ	GIBSONVILLE	.....	107.2	K4C4X	ROARING GAP	.....	107.2
W4G5X	DALLAS	.....	162.2	AG4AN	FOREST	.....	107.2	K4B4YEZ	WHEELING	.....	77.0	W84LRD	CHATTANOOGA	.....	100.0
W4G5X	DALLAS	.....	162.2	447.5000	442.5000	.....	VA	448.0500	443.0500	.....	GA	448.5250	443.5250	.....	GA
K4E4KO	SANDY SPRINGS	.....	103.5	W4B4P	PEACHTREE CITY	.....	77.0	N4E4H	SHILLYVILLE	.....	107.2	W4C4E	ROSWELL	.....	156.7
447.0000	442.0000	.....	GA	K4E4PMP	VIDALIA	.....	88.5	W3PS	GOLDSBORO	.....	156.7	K4D4NFT	CEDARTOWN	.....	107.2
W86B7H	ALPHARETTA	.....	114.8	K4G4FY	MOREHEAD	.....	94.8	N8PWL	BECKLEY	.....	123.0	W4APXV	AIR BELLOWS GAP	.....	107.2
K4C4IEV	GATFORD	.....	114.8	K4Y4Y	CHERRY MT	.....	88.5	448.0750	443.0750	.....	GA	K4S4UJ	COLLEGEDALE	.....	100.0
W84B4N	HOWENWAD	.....	TN	W4B4AC	KNOXVILLE	.....	103.5	K4C4ZTJ	CHERRYVILLE	.....	107.2	W4L4YR	LEBANON	.....	100.0
K4B4TL	MARYVILLE	.....	VA	W4H4CA	ROANOKE/POOR MT	.....	103.5	W4R4BEG	SOPHIA/RANDLEMAN	.....	107.2	K8C4UJ	RICHWOOD	.....	WV
W4LG	GASBURG	.....	103.5	447.5250	442.5250	.....	VA	448.1000	443.1000	.....	GA	448.6000	443.6000	.....	GA
W83T	WYTHEWALKER MT	.....	103.5	K4Y4L	FORT WRIGHT	.....	123.0	N4K4H	DAH/ONEGA	.....	100.0	K4C4UJ	ATLANTA	.....	100.0
447.0250	442.0250	.....	GA	W83T	WYTHEVILLE	.....	103.5	K4E4QOL	CHATTANOOGA	.....	88.5	K4H4UJ	NANCY	.....	100.0
W4C4M	ATLANTA	.....	127.3	447.5500	442.5500	.....	VA	K4A4JXT	MEMPHIS	.....	107.2	K5H4YE	MENDENHALL	.....	107.2
K4S4CS	RALEIGH	.....	156.5	W4B4HJ	CONYERS	.....	151.4	K4N4YU	POWATHAN	.....	107.2	N4D4WU	MT MITCHELL	.....	107.2
447.0500	442.0500	.....	GA	K4W4EJ	ASHVEH	.....	107.2	K4E4QOL	BECKLEY/OAK HILL	.....	107.2	W4TLB	BIG SANDY	.....	114.8
N4K4D	MARIETTA	.....	107.2	W4A4TG	ASHVEH	.....	107.2	448.1250	443.1250	.....	GA	448.6250	443.6250	.....	GA
K4D4ADJ	LEXINGTON	.....	107.2	K1BUD	PITTSBORO	.....	107.2	K4U4M	FOSTER	.....	107.2	K4M4DS	GRAY	.....	107.2
W4Y1YN	ELAND	.....	107.2	447.5750	442.5750	.....	VA	K84PQA	CRAB CREEK TWP	.....	107.2	K4F4DYP	JASPER	.....	100.0
K4D4XJ	JASPER	.....	127.3	W4A4P	ADAMS	.....	79.9	K4E4M4NG	OWENSBORO	.....	107.2	K4E4JAN	GEORGETOWN	.....	100.0
W84S4CQ	JOHNSON CITY/HOL	.....	100.0	K4E4L											

SERA REPEATER INDEX LISTINGS BY FREQUENCY - Continues

K4VVM	BARTLETT	107.2	TN	N8LVE	BECKLEY	103.5	WV	KG4BTN	GREENSBORO	107.2	NC	N41WZ	ALLEN	123.0	KY
K840TK	LAFOLLETTE		TN	N8RGC	KEYSER		WV	N4ZKR	SUMMITVILLE	107.2	TN	KC4UPE	NICHOLASVILLE	167.9	KY
443.7250	PRINCETON	123.0	WV	443.1500	444.1500		GA	A042K	NORFOLK		VA	K4JDR	CARY	100.0	NC
K82DZA	CONYERS	77.0	GA	443.1500	444.1500	100.0	GA	443.5000	444.5000		GA	K4J2Z	WALKER FORT		VA
KESLT	PICAYUNE	179.9	MS	WB4IV	ADDLESBORO	100.0	KY	WB4IV	ALBANY		GA	WA4R0F	WALKERTOWN	103.5	NC
K4GWH	GRAHAM	156.7	NC	WB5BYR	CLERMONT HARBR		MS	WB5TUF	ATLANTA		GA	WA4AKM	GALLATIN	107.2	TN
K85JUC	NASHVILLE	107.2	WV	K4JDR	NEW ALBANY	100.0	NC	NB4ZJ	DALTON	118.8	GA	K4JUC	CHARLOTTEVILLE		VA
N85NY	WELCH		WV	AS4EI	GASTONIA/CRWDR		NC	W5LGR	MERIDIAN	107.2	NC	K4JUC	SHING GAP	107.2	VA
443.7500	443.7500		GA	W4GL	SUMTER	123.0	SC	N4JEH	LEXINGTON		NC	443.8000	444.8000		VA
K4CZTI	COVINGTON	146.2	GA	AF4TZ	NASHVILLE	107.2	TN	K4NOC	TARSBORO	100.0	NC	WA4ASJ	COVINGTON	88.5	GA
WB4SDS	GASTONIA/CRWDR		NC	K4LQY	SIGNAL MT		TN	K4NOC	BISHOPVILLE	123.0	SC	WB4BJ	ELIZABETHTOWN	156.7	KY
WA4OXM	HAMPTON	100.0	VA	K4LQY	SPRINGTUCK MT		TN	K4J2Z	BRISTOL/HOLSTN MT		TN	WB4PMO	GREENVILLE	131.8	NC
K8735F	PATRICK SPRINGS	77.0	VA	443.1750	444.1750		NC	WA4H	LYNCHBURG/TOB MT	136.5	VA	K4LUC	HICKORY	94.8	NC
443.7750	443.7750		KY	K4CQOV	FLORENCE	192.8	KY	443.5250	444.5250		NC	K4DQMS	SOUTHERN PINES	118.8	NC
KF4INN	VERSAILLES		KY	W4FBC	LILLINGTON	118.8	NC	K4DZET	CHESTER	156.7	GA	K0JXI	MEMPHIS	110.9	TN
WB4SRV	CLAREMONT	118.8	NC	W4C3C	GERMANTOWN		NC	K4JVF	GRETHER	82.5	GA	N4PYI	NASHVILLE		NC
K4DJFN	HAW RIVER	107.2	NC	WD4ICF	FANCY GAP	107.2	VA	N5NNI	NEW HEBRON		MS	KB4MIC	OLIVILLE		WV
KF4Y	LAURENS	141.3	SC	N8FMD	CLARKSBURG	103.5	WV	WA4NC	RALEIGH	88.5	NC	WB8B	BECKLEY/OAK HILLS		WV
K44MHJ	SPENCER	123.0	TN	443.2000	444.2000		GA	WA4TRZ	WAXHATON	94.8	NC	WB8UC	MORGANTOWN		WV
443.8000	443.8000		NC	K4RPF	JOHNSVILLE	107.2	GA	N4J2Z	MYB BCH/BRKSVL		SC	W4D0C	ATLANTA	146.2	GA
N4NPF	ATLANTA/MARIETTA	118.8	GA	K4DRTA	PIKEVILLE		KY	K4DIBW	KNOXVILLE	100.0	TN	KC4UPE	BEATTYVILLE	192.8	KY
K4MSU	MURRAY	114.8	KY	K4QERA	PIKESBURG/SAURATOWN	100.0	NC	WA4BK	NASHVILLE	107.2	TN	K44VR	ALEM	100.0	KY
N5AT	NATCHEZ		MS	W4LJMN	WILMINGTON		NC	443.5500	444.5500		NC	K4B5DN	AMORY		KY
K4C4ZL	MORGANTOWN		NC	K4F4GHC	COLUMBIA	156.7	SC	WB4JEH	CONYERS	151.4	GA	K4F4YU	MT AIRY/FSH PK	100.0	NC
WA4HNK	SUMMERVILLE		SC	K4DHII	CHATTANOOGA		TN	K4DLEH	LEWISPORT		NC	K4GWH	RALEIGH	146.2	NC
WA4JMS	BEDFORD/PL ORCH	100.0	VA	NA4RK	NASHVILLE		TN	K4C4UJ	LEXINGTON		NC	K5FE	MEMPHIS	107.2	TN
WA4PQ	PORTSMOUTH		WV	443.6250	444.6250		NC	K4A0M	GASTONIA/SPCR MT		NC	K4J2Z	SWITZER	107.2	VA
K4B0TK	OAK HILL		WV	K4E4S	WOODSTOCK		GA	K4A0M	ROANOKE RAPIDS	192.8	NC	WA4ZBP	STAUNTON	131.8	VA
443.8250	443.8250		NC	K4GWH	GREENSBORO	146.2	NC	N4F4ST	COCKEVILLE	107.2	TN	443.8500	444.8500		GA
K4D4EB	FALMOUTH	118.8	KY	NA4RK	NASHVILLE	114.8	TN	K4QCY	MCNARY	107.2	TN	N4BZJ	DALTON		GA
K4K4FM	SHELBYVILLE		VA	WB4V	CHARLESTON	123.0	WV	WA4R	SNELLVILLE		GA	WB4KX	GREENSBORO	103.5	GA
443.84MT	443.84MT		VA	443.2500	444.2500		NC	B44WTP	COPPER RIDGE	103.5	VA	K4F4M	HINESVILLE		GA
443.8500	443.8500		NC	WA4BOC	DECATUR		NC	W40R	HAMPTON	167.9	VA	ABSDU	INDIANOLA	136.5	MS
K4PLM	WALESAKE	192.8	GA	WA4NKS	HENDSV/BERWLW		NC	W4WVQ	LYNCHBURG	136.5	VA	K5CJLF	PINOLA		MS
K4C4YD	DALLASBORO	100.0	NC	NA4EWS	LOUISBURG	88.5	NC	443.5750	444.5750		NC	K4GMP	WILMINGTON	88.5	NC
WA4JUS	WILMINGTON		NC	W4LLJ	WILMINGTON	131.8	NC	WB4CF	DOUGLASSVILLE	88.5	GA	K7AG	MEMPHIS	107.2	TN
KE4OVN	DRESDEN	107.2	TN	WA4PAJ	BARTLETT		TN	N4MYY	PHELPS		NC	AB4SF	RICHMOND		NC
K04I	DANVILLE		VA	W4Q4E	GREENBRIER		TN	K5CJLM	PORT GIBSON	141.3	MS	NA4KX	CHICKADEE/READ MT	107.2	VA
K8B7G	HUNTINGTON	88.5	WV	WA4TFZ	CHARLOTTEVILLE	151.4	VA	N4HJ	MYRTLE BEACH	88.5	NC	WB8ZER	HUNTINGTON/CHAS	131.8	WV
443.8750	443.8750		NC	K4CKAN	ANNON		WV	WB4BB	KNOXVILLE/RACK	100.0	TN	443.8750	444.8750		NC
K4C4PW	PINEY KNOB	103.5	NC	443.2750	444.2750		NC	443.6000	444.6000		NC	KE4UAS	MODDOUGH	123.0	GA
K4D4PV	MCKENZIE		NC	K4JLJ	CORNELIA	100.0	GA	W4PZS	FAYETTEVILLE		NC	K4C4UP	ALBUQUERQUE	167.9	KY
W4DUM	WILLIS		VA	K4E4BB	CULLODEN	123.0	GA	W4PZS	QUINTANA	127.3	GA	K4D4RA	RALEIGH	100.0	NC
W4SP	FAIRMONT		WV	K4W4N	WINSTON-SALEM	79.7	KY	K4F4WM	BRUSHY FORK	88.5	KY	WB4U	WINGATE	127.3	NC
443.9000	443.9000		NC	K4U4M	DAWSON SPRINGS		NC	N4MNC	LOUISVILLE	151.4	KY	K4D4CH	MT PLEASANT		NC
K4RHJ	FLOWERY BRANCH	100.0	GA	W4N4C	WINSTON-SALEM		NC	K4C4FE	MADISONVILLE		KY	CH4JNA	CHATTANOOGA LAKE MT	156.7	TN
K4K4ZT	DAVID	167.9	KY	W4GZC	CLEVELAND		NC	WB4SH	SPRINGFIELD		KY	WB4AKM	NASHVILLE	107.2	TN
WA4JA	HIGH POINT		NC	W4AYH	ENON	114.8	VA	K5B5C	JACKSON	100.0	MS	K44WTP	BIG A MTN		NC
W4GWD	GREENWOOD	107.2	SC	W4RDF	ENON		VA	WB4FB	CHARLOTTE	100.0	NC	443.9000	444.9000		NC
K4DHII	CHATTANOOGA		NC	K8C8CE	DUNMORE	123.0	WV	K4YWF	NO CHARLESTON		SC	K4D4BO	AUGUSTA		GA
W4QOC	WHITE HOUSE	107.2	TN	443.9000	444.9000		NC	W4R4P	NETTLETON		NC	N4KHO	DAHLONEGA		GA
443.9250	443.9250		NC	443.9250	444.9250	127.3	GA	W4C8K	WESTON		WV	WB4VIB	CORBIN	100.0	KY
K04XL	MCKENZIE	123.0	GA	K4C4N7Y	HOGANSVILLE		NC	443.6250	444.6250		NC	W4YVH	HIGHLAND HEIGHTS	123.0	KY
K4B4B	RINGOLD		NC	W4B4ZZD	LOUISVILLE	156.7	KY	K4EDN	BONAIRE	82.5	GA	W4JMS	GLASSBORO	100.0	NC
N4E0T	LAWRENCEBURG	107.2	KY	N4DRL	BYALIA		MS	K4E4G	CHICKADEE	123.0	GA	W4AMMI	RAMER		NC
K4F4RBR	MOUNTAIN CITY	103.5	TN	K4H4B	HENDERSON	100.0	KY	K5C8MJ	KINGSLAND	118.8	GA	W4LYR	WATER TOWN	100.0	TN
443.9500	443.9500		NC	K04JYV	ELIZABETH CITY	131.8	NC	W4BPP	MOULTRIE	123.0	GA	N4KRY	FANCY GAP		VA
K4U4FV	DECATUR	110.9	GA	K4AMNH	CHARLESTON		NC	K5B4QFL	HAWTHRAVE		NC	N5SCS	LOGAN	141.3	WV
K4C4TX	CANE VALLEY		KY	W4B4BL	KNOXVILLE		NC	N5OCF	RIGHTON		NC	443.9500	444.9500		NC
W4U4US	HILLSBOROUGH	114.8	NC	K4W4B	ACCOMACK	156.7	VA	WB4DVN	LUMBERTON		NC	W44NNO	ATLANTA		GA
K4C4V	ARNOLD AFB		VA	K4ZTR	LEXINGTON		TN	W4D4EO	CLEUMS UNIV.	156.7	SC	WB4NFG	WHITTINGTON	77.0	GA
K4D40BX	KNOXVILLE		TN	443.3250	444.3250		NC	K4Y4E	COLLIERVILLE	107.2	TN	K04LI	OLIVE HILL		NC
N4ER	MEMPHIS		TN	K4F4E	MARIETTA	79.7	GA	W44TOA	NASHVILLE	107.2	TN	K4B4WA	DURHAM	156.7	NC
443.9750	443.9750		NC	W4B4ZU	CLARKSVILLE	107.2	TN	W42BE	BLUEFIELD		VA	K84GWA	HATTERAS ISLAND	131.8	NC
KE4BHZ	HAZARD	103.5	KY	NB4KSL	KNOXVILLE		NC	443.6500	444.6500		NC	N4KRY	MOUNT AIRY		NC
W44WGY	MAYODAN		NC	W4B3J	ROANOKE	103.5	VA	W4YF	STENNIS SPC CEN		NC	AC4RZ	EASLEY/SCS MTN	103.5	SC
N4VDE	LIBERTY	103.5	SC	W4B4ZP	SPRINGVILLE		WV	WB4FUR	WALLS		GA	WA4AKM	COLUMBIA	107.2	TN
W4R3S	LAVENGER		NC	443.3500	444.3500		NC	N5N8G	WALLS		NC	N4VH	DOVER		NC
443.0000	443.0000		NC	W4R4SG	VALDOSTA	141.3	GA	W4U4S	WILMINGTON		NC	K4C4TZD	KNOXVILLE		NC
WB4DQX	LAWRENCEVILLE	100.0	GA	K4C4O	WALTON		NC	W4C8YK	GREENSBORO	100.0	NC	K4D4FWS	FANCY GAP	100.0	VA
W44ADY	SAVANNAH		GA	K4C4O	WILMINGTON	107.2	NC	W4C4T	SHRT MT/MURFREES	107.2	TN	WB8BON	ROANOKE/TINKER M		VA
A44R	IRVINE		NC	K4R4L	GRANTSBORO		NC	N4EHU	RICHMOND/CHTLV		VA	443.9500	444.9500		NC
K4JEC	CLINTON	100.0	MS	W4D4BK	GALLATIN	114.8	TN	W4YTR	PEACHTREE CITY	77.0	GA	W4R4M	PERRY	100.0	GA
K4JEC	HICKORY		NC	K4D4CL	PIGEON FORGE	156.7	TN	K4C4YX	ROBINSON CREEK		KY	N4DUE	LEXINGTON		KY
K4I4R	SELMA	107.2	NC	K4D4CL	PIGEON FORGE		TN	K4F4AWA	SALVISA	203.5	KY	WB5YJ	PHILADELPHIA	192.8	MS
W4D4KY	CHESAPEAKE	162.2	WV	W4B4ST	CHARLESTON	107.2	WV	W4G4S	MYR BCH/CONWAY		NC	W4I4WL	DALLAS/CHARLT	136.5	NC
W4C4R	MULLENS		WV	443.3750	444.3750		NC	W4WBT	CHARLOTTE		NC	K4F4FQ	ROLLESVILLE	88.5	NC
K8B1T	MULLENS		WV	K4B4IZ	JASPER	103.5	GA	W4W4S	NASHVILLE		NC	K4F4G	CLARKSVILLE	167.9	TN
443.0250	444.0250		NC	K4D4AR	PIKEVILLE		NC	W4P4CD	NASHVILLE		NC	W4C4Y	GREENSBORO	118.8	TN
W4C4M	LAWRENCEVILLE	127.3	GA	K4B4SH	PEARL	88.5	MS	K4P4DZ	PORT KNOX	107.2	VA	K4G4G	GREENVILLE		NC
AS4PQ	WAYCROSS	141.3	GA	W4B4V	FRANKLIN	131.8	NC	K5W4G	GASSAWAY	123.0	WV	WB4NNE	MEMPHIS		TN
K4DJFN	HIGH POINT	107.2	NC	K84W4T	HENDERSON	156.7	NC	443.7000	444.7000		NC	W44KXV	VIRGINIA BEACH		VA
K4C4WLH	HARRIMAN		TN	K84BTM	HUNTINGDON		TN	W4B4SB	BYRON	103.5	GA	WB4BVC	NO CHARLESTON	203.5	WV
K4D4C	MEMPHIS		NC	K4R4BT	KART		NC	K4Y4E	DALLASVILLE	77.0	GA	443.9750	444.9750		NC
443.0500	444.0500		NC	NA4OWU	FANCY GAP	107.2	VA	K4F4EM	BALDOSTA		NC	W44YNZ	ATLANTA		GA
N4NEQ	ATLANTA/MARIETTA	118.8	GA	443.4000	444.4000		NC	N5KOL	BOWLING GREEN	136.5	KY	K4TVE	BRUNSWICK		GA
K4E4NL	SALYERSVILLE	127.3	KY	W4B4YF	FAYETTEVILLE	100H	NC	K4D4BGD	LUMBERTON	114.8	NC	W3L4R	CHAMPHAN	77.0	GA
K84PJT	WILLIAMSBURG	100.0	KY	K4C4VO	FOREST CITY		NC	N4J2Z	SHREVEPORT	141.3	NC	W4C4M	CHUMMING		NC
N4PYI	NASHVILLE	107.2	TN	W4B4YF	FOREST CITY		NC	EA4GA	STATESVILLE	94.8	NC	K4Q4K	ASHFORD	107.2	KY
WB3T	FANCY GAP	103.5	VA	W4B4YF	FOREST CITY		NC	K44U	DANVILLE/WHIT OAK		NC	WB4CWF	NICHOLASVILLE		NC
K840LM	STUARTS DRAFT		NC	W4B4YF	FOREST CITY		NC	N4W4WB	GATE CITY		VA	KE4AOP	ASHEBORO		NC
443.0750	444.0750		NC	W4B4YF	FOREST CITY		NC	W4F8O	MORGANTOWN		NC	K4E4H	FAIRFAX	107.2	NC
K8B5DN	INDENBENCE	110.9	KY	W4B4YF	FOREST CITY		NC	443.7250	444.7250		NC	W4Y4M	NEWPORT/CCARS		NC
K4D4BOH															



Getting Started

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The Roads Less Traveled

After you've been operating two meters for a while, you might wonder what kind of activity you might find on some of the other VHF and UHF bands... six meters, 220 MHz and 440 MHz. And if you're a really curious type, 902 MHz and 1240 MHz. I'll tell you right up front that you'll be entering some wide-open spaces, with lots of elbowroom and not nearly the activity of two meters. But that may appeal to you. Let's take a look.

440 MHz

I'm starting here because 440 is the second most popular Amateur band for FM and repeaters. You've seen some stories in recent Repeater Journals about 440 having almost as many repeaters as two meters. And while that is true, if there were a way to measure how busy the repeaters are, 440 would be way behind two meters. There's lots of idle time on most of those UHF repeaters.

I've got to be careful to make this column general, and not treat the whole world like it's the same as Raleigh/Durham, where I live. But I travel a fair amount, and I pay careful attention to activity wherever I go, and I haven't found any areas where there's more activity on UHF than on two meters. If you live in such a town, let me know and I'll give you a plug!

This scarcity of activity is a little surprising, considering all the dual-band radios out there. And considering that UHF has some great characteristics. For the police departments, taxicabs and business radio users, UHF is much more popular than VHF. In the city, if you could compare identical VHF and UHF repeaters attempting to provide hand-held coverage, the UHF machines would win. That's because those shorter wavelength signals can get out of and around buildings and vehicles better than the longer wavelength VHF signals. And the short

antennas aren't as much of a compromise (that 6 inch rubber duck on your two meter HT is convenient, but the radio takes a noticeable performance hit). I don't recommend using an HT with a rubber duck inside a car, but if you must, it will probably work better on UHF.

The VHF repeaters win for fringe coverage. I've found that two meters gets over the horizon and into the dips much better than UHF. And maybe that's why it's remained more popular with hams. We're always pushing the limits, while our commercial counterparts are always looking for rock solid coverage in a limited geographical area.

So why are there almost as many UHF repeaters and VHF? It's a matter of available channels. There are 73 repeater pairs available on two meters, and in much of SERA territory, the channels are about full. No room to squeeze in new repeaters on two meters, although our frequency coordinators still manage to shoehorn one in now and then. On 440, there are 120 repeater pairs available between 442-450 MHz (actually, a few more than that, with a handful of pairs available to coordinators below 442 MHz). And the band's generous 25 kHz channel spacing makes it possible to have adjacent channel repeaters physically closer together. So there's lots more room for 440 repeaters. If you want to put up a new machine, that's probably where it's going to go, even if you won't find much of a crowd to use it.

220 MHz

The next most popular (or is that next least popular?) band is 220 MHz. And about this time in the article, I feel I must comment on the odd way we switch from using wavelength to using frequency for labeling bands above two meters. On the HF bands, we talk about 80 meters, 40 meters, 20 meters... and on VHF it's six meters and two meters. As soon as we hit 220, it's Megahertz, not meters. 220 MHz is about 1.33 meters, and 440 MHz is about .68 meters. I suppose "220" and "440" trip better off the tongue than "one and a third meters" and "sixty-eight centimeters." And you can tell I'm an old-timer because I still refer to the band as "220." Until a few years ago, the band ran from 220-225 MHz, but we lost the bottom two Megahertz because we weren't using it enough. Now it's 222-225, and you'll find most charts and magazines referring to the band as 222 MHz.

I love 220... er, 222. I've been on the band since the mid 1970's when we had a major "use it or lose it" campaign. The band seems to have the best propagation characteristics of both two meters and 440. In the city, the signals bounce and zip through buildings almost as well as 440. And in the fringe, they bend around the hills as well as two meters. There is no commercial activity nearby, save for the few signals beginning to appear in the 220-222 segment we lost. So there's little intermod and desense.

But in most areas, you'll be lonely on 220, with few repeaters to choose from. Look at the Repeater Listings in this issue for each state. A column or two for 2M and almost as much for 440. But maybe half a column on 220 - very few cities with more than one 220 repeater listed.

Why? Well, 220 has always suffered from the chicken/egg problem. There aren't enough people using it to get manufacturers to make radios. And hams haven't started using it because there haven't been radios to buy (and what radios there were carried dramatically higher price tags than their identical two meter cousins). Another part of that problem is that 220 is not a ham band in Europe and Asia. And while America is a pretty good market, manufacturers are reluctant to tool up for radios with limited distribution.

Other than the Icom T-82, you can't buy a new Icom or Yaesu 220 radio. Kenwood will sell you a vintage 220 mobile for \$500, and you can equip their old tri-band radio with a 220 module. But now, there are some alternatives outside the Big Three. Alinco, Pryme and ADI have some new mobile and handheld 220 radios for reasonable prices, and Ten-Tec offers a kit. They're still a little more expensive than their two meter counterparts, but they're still affordable, well under \$300. And I've generally had success on the used market, though it's taken some hunting. I treasure my Icom 3SAT handheld, manufactured around 1990.

Except for the tri-band Kenwood, adding 220 means mounting an extra radio in the car, or lugging another handheld. I do have that extra radio in my car (but my wife doesn't), and I usually don't carry the extra HT. And you've got to figure out an antenna scheme. Not many dual or multi-band antennas include 220. The way things worked out in my car, the 220 antenna claimed the prized spot in the center of the roof.

Once you get on 220, how much activity will you find? That depends on where you live. I can generalize and say it's less than two meters, and I think I'd be right for almost everywhere. Lots less than 2 meters, and less than 440. There are a few places that are relative hotbeds of 220 activity. Eastern North Carolina has several 220 repeaters near the top of 2000 foot towers, and they get some use. The guys around Atlanta have a linking system including 220. Here in Raleigh, though, our one 220 repeater sits at 250 feet, and sees just a little daily use. I can hit a total of five 220 repeaters from my mobile, and they're usually pretty quiet. To be fair, I can also hit more than 30 two meter repeaters, and only four or five carry any significant amount of activity. On the road, 220 remains quiet, no matter where I travel.

Over the past 20 years, the FCC tinkered with 220 a bit to encour-

(Continued on Next Page)

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age activity. Novices were given voice privileges there in the '80's. But that failed to promote either more novices or more 220 activity.

I encourage you to get on 220 if you're looking for some place else to play. It's still a "use it or lose it" band.

Six Meters

I have just returned to six, after not using it for nearly 30 years. Back in the 1960's, I had one of the AM rigs that was popular then (a Utica 650, for those old timers who are curious). There were a bunch of radios made for six and two meter AM back then, usually with just a few watts output, weak receivers, and a lot of tubes. And many hams were still using converted war-surplus equipment. I was a teenager, and full of enthusiasm (now I'm 51, and full of enthusiasm). Two meter FM was an infant, and six meter AM was relatively popular in Chicago, where I grew up. I talked my dad into letting me put the radio in the car, including a mast and a "halo" antenna on the back (a Saturn-6, you old guys). It was great! But fact is, there were few contacts to be had, unless I was going to and from the Six Meter Mobileers club meeting or fox hunt.

Or, unless the band opened.

Six meters is the only band available to no-code technicians that is subject to regular skip. We're just now leaving a sunspot cycle peak, and there has been some great six meter skip from the F2 layer. But sunspot peak or not, every year six is subject to something called "sporadic E" skip, particularly in the late spring/early summer, and a small amount in early winter.

The E layer of the ionosphere is lower than the F layer, so skip distances are shorter. But when the band is open, signals are intense. Those few watts of AM into my 3 element beam at home, or even the halo on the car, produced meter-pegging signals to the east coast (lots of Carolinas contacts). The "sporadic" part of Sporadic E meant it's unpredictable. While the whole band runs from 50 to 54 MHz, the AM activity clustered between 50.1 and 50.5. But when the band was open, hams packed in to above 51 MHz to find room. Now keep in mind that we were using fairly broad AM receivers, so the term "packed" is relative. I'd guess I could tune across 10 or 15 signals occupying that spectrum.

Well, now, I seem to have waxed nostalgic. How special. But here at the start of the new millennium, and actually beginning in the late 1900's, six meters has experienced a renaissance of sorts. Six is being included in many radio models that used to be just HF rigs, and they're multi-mode (FM, SSB, CW, and data if you add a TNC). And a few more repeaters have sprouted up as well, though the six meter columns in the Listings are even shorter than the 220 columns. It's a little harder to build a repeater for six. The big problem is the duplexer (the device that lets you transmit and receive on the same antenna at the same time). A two meter duplexer is the size of, oh . . . that two drawer filing cabinet looks about right. You can stuff one in a rack cabinet under the repeater. Six's longer wavelength makes the duplexer the size of that double-wide freezer out in the garage. And it's expensive, unless you have a machine shop handy.

But we're not building repeaters here in Getting Started. We're just using them. See Frank Lynch W4FAL's column if you want to build your own machine. So what might we encounter on six? Well, like I said, I've recently returned to the band, and most of my operation is mobile. I do have six in my home HF rig, an Icom 756, but no antenna. Cyndi won't let me add a beam to the mast that holds the dual-band vehicle. "Wait till we retire" she says, "and move out to the country."

From the car, I can key up another handful of repeaters around Raleigh on six, and there's very little activity on any of them. I think I've irritated one or two repeater owners by kerchunking (and IDing) just to see if the repeaters are really there. I've had a little more luck out on the road. I had some looooong conversations through mountaintop repeaters on the way to the SERA January board meeting near Knoxville. And I heard some activity around Philadelphia and Boston, though not in New York City, on a trip to the northeast. So it's another local issue. Ask around, but take any enthusiastic response with a grain of salt. You may be talking to the one local six meter ham who wants company! Once again, two meters is where the action is. Six is going to be quiet, unless you hit a band opening.

Finding a radio can be tough, too. I said that six is showing up in the HF multi-modes, but we're talking nearly a \$k to start here. Alinco has a mobile, and Ten Tec has a kit in more reasonable price ranges. That's pretty slim pickin's. You can add a six meter module to that Kenwood tri-bander (oops, there goes 220). My Standard C5900 covers 6, 2 and 440, but it's been discontinued. Retired surplus commercial equipment is cheap, but you'll need a friend at a two-way shop to re-tune them with some good test equipment, and either buy crystals or reprogram synthesizers.

You're in better shape for a handheld - Icom and Yaesu both sell compact multi-banders that cover six, two and 440 (and Icom upped the ante to add 1240). I've got Icom's T-84 quad-band HT, though I'm not impressed with the six meter performance. It comes with a fattened rubber duck, but it's still too short for decent six meter performance. A longer aftermarket antenna may make me happier, until I poke someone with it (your mom will complain that you could poke someone's eye out).

Performance-wise, six meters is noisier than two or 440. Automotive ignition noise rarely bothers FM radios above 144 MHz, but it bothers six meter radios. I've also run into hash from electric gas pumps that made six unusable in my Saturn. Some of the commercial manufacturers include noise blankers in their receivers.

Quiet down the car, and you'll find that six meter repeaters have an edge in coverage over two meter repeaters, assuming everything is equal at the repeater and in your car. But that's a big assumption. My experience is too limited to give you really good advice on the matter, so if any six meter experts want to e-mail me, I'll add some information next column.

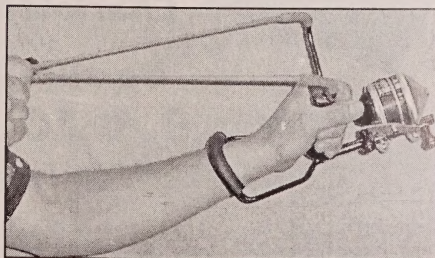
I've yet to come across a meter-pegging band opening on six in my current incarnation, and I'm looking forward to it. But there's a problem. There are three or four somewhat incompatible band plans in use for six around the country. Here in SERA territory, almost every repeater has an output between 53 and 54 MHz, and use a minus 1 MHz offset for the input. Lots of them use CTCSS tone. But the SERA band plan for six also accommodates repeaters with 2.51 MHz offsets, and a group of channels between 51-52 MHz with minus 500 kHz offsets. Thumb through the ARRL Repeater Directory and you'll find these and other schemes used somewhere across the country, though the minus 1MHz offset is most popular. So, when the band opens up, you'll have to figure out what repeater you're hearing, what the offset might be, and what the tone might be before you can use it. And, because many repeaters are still carrier access, you may key up two or more repeaters across the country at once. Whether this is a challenge, or just discouraging, depends on you.

902 MHz and 1240 MHz

This segment is going to be very short. If you want to operate in either of these bands, you will be an experimenter, not a communicator. The Journal lists just a handful of repeaters in these bands, and I wonder how many of them are actually on the air. If you run a repeater in either band, you might consider writing an article about it for the RJ! There are no commercially made ham radios for the 902 MHz band, so

(Concludes on Page 40)

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Doing Things Other Than Coordinating in WV

"What I Consider Above and Beyond what might be expected from a SERA Coordinator"

-by Juddie Burgess, KC8CON

I am the former President of the Plateau Amateur Radio Association, Inc. here in Fayette Co. WV and am now one of the trustees that helps to take care of the 146.79 NM8T repeater.

I want to tell you of a fellow who I think is GREAT!

Let me first start at the beginning.

On Tuesday morning last January 30th, a sudden line of thunderstorms came across parts of Fayette Co. Well this is unusual for this time of the year.

Well, I received a call at work around 9:25 AM, that the 146.79 repeater was off the air. Our repeater is located on Gauley Mt. just outside of Ansted on the Cellular One cell tower site.

Apparently, lightning had hit a power pole that feeds electricity to the facility, jumped from the pole to their generator building (used for back up power) surge suppressors, telephone line termination box, and main breaker box on fire.

The fire was extinguished and Cellular One personnel were on site to assess the damage.

Of course on of these was Alex Hedrick, N8FWL, SERA Southern WV Repeater Coordinator. Apparently Cellular One was lucky no equipment lost and damage estimates were only

around \$5000.00, with no major equipment lost.

Alex called me once power was restored and informed me that he had got our repeater on the air. We, Plateau ARA members, had planned to make a trip up that evening to do check out the repeater, but Alex said he would take care of it.

Well, Alex even tried our autpatch and it was discovered that it was down. He then took it upon himself to call Verizon for us to report the problem. The phone technician arrived and wound up having to replace several hundred feet of main line to the site that had melted. BAD lightning! Once that was done again, Alex tried the autpatch. No luck. He checked the wall jack and found that it had melted.

He replace the phone line from the pole inside the fenced area to the building, put new jacks in and ran a new line over to the repeater. Still no luck.

The next day Alex was there at the site again. He called me on his way up to the site and informed me he was on his way up and that he had forgot to check the our phone line surge suppressor before he left the previous day and he was going to check it.

After getting there he called again this time using the autpatch, HEY it works!, He informed me that the surge suppressor had also been destroyed internally and he had hooked the phone line direct to the autpatch.

I thanked Alex for all he had done, (saving us club members some down

time and trips to the site).

All he said was we are Amateurs and thats what we do for each other, we help each other out.

So, I just want SERA to know you guys have a GREAT guy working for you, and Amateurs in the southern part of WV ought to be thankful we have a guy like Alex.

73 Juddie Burgess, KC8CON PARA Trustee

Repeater Journal Hamfest Advertisers In This Issue

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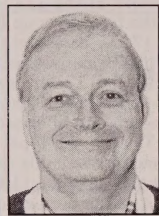
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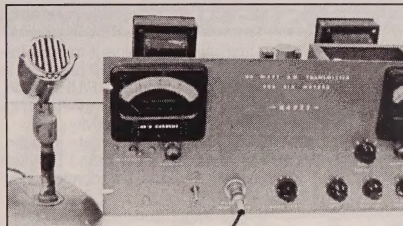
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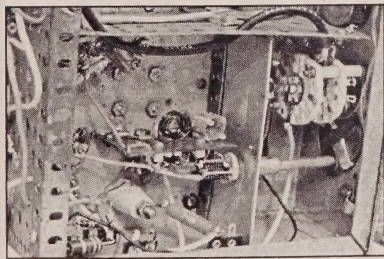
(Part Two)



The last 6-meter transmitter I constructed. To the left, my Lafayette bullet-shaped microphone on its stand.

In the last issue, I mentioned homebrew transmitters from years ago. In this installment I'll go into the various construction techniques I used and some associated stories. My first VHF transmitter was a simple 15 watt 2E26 affair using an outboard modulator with a 6V6 tube. To save money, I scrounged the junk box for used chassis cabinets. The oscillator for the transmitter really gave me some trouble because of the tapped coil assembly used with the Hartley oscillator. Getting the tap at the most stable location proved somewhat of a problem until I borrowed a grid dip oscillator and discovered I was off frequency. A little "tweaking" and it finally worked. Also, I didn't understand lead length problems at VHF frequencies and thought big tubular capacitors looked more rugged and would probably work better. Boy was I wrong!

Neutralization illuded me until I switched those capacitors out for smaller ceramic disc units with short leads. One trick I used to check neutralization was to quickly pull the crystal and see if the RF output dropped to zero, with a sudden jump in plate current. I used a conventional incandescent light bulb as a dummy load. One had to work fast so as not to damage the 2E26. Since



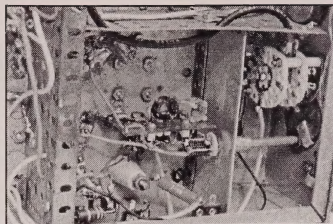
Looking down on the open transmitter chassis. The RF compartment is at the right center; the two 5881 modulator tubes are in the center; the power transformer on the left is for the modulator, the one on the right for the RF Section.

I was a "cash-strapped" teenager, I always employed "used" vacuum tubes. I'd have to go through a stack to find the good ones. My oscillator tube was a 6U8, and I was trying to achieve about 2 milliamps of drive current. I finally found a 6U8 that provided enough drive.

When I first got this rig on the air, I was using the only microphone I could afford (a telephone carbon handset cut in half, using the transmit part). I didn't know about crystal and carbon microphones and the difference in impedance. I had wired the microphone to the grid of the speech amplifier, a type 12AT7.

Needless to say, my modulation was very low until I discovered my error and connected the microphone in the cathode circuit because of the lower impedance.

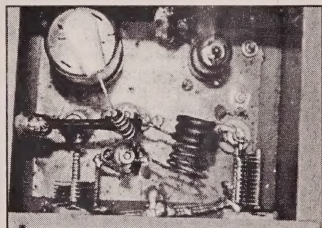
My next six meter rig was really improved. I moved up to



RF Cabinet from the bottom. The B&W miniductor coil is on the right, mounted on a plastic plate. The ceramic crystal selector switch is on the right. Note the use of "old" erector set metal components. (now rusty).

a type 6146 to run all of 40 watts input. The modulator was a pair of 6L6 tubes running class AB-1. The whole transmitter and modulator were built on a single chassis, with an enclosed metal cage for shielding the RF section. I used a Hartley oscillator again, but this time purchased some B&W commercial miniductor to provide a more stable coil platform. This sure worked better, and I was soon spitting clean RF out without any problems. I did spend some time neutralizing the rig, but it was easier this time. I purchased a sleek crystal-element "bullet" case microphone from Lafayette Radio-I even got a stand. I mounted a microswitch on the side of the stand and had myself a custom push to talk microphone. The power supply used WW-II electrolytic capacitors (the type with PCB). Back then, we didn't know about the danger. Also, I thought I'd save some money and leave off the power supply bleeder resistor. After a few shocks, I changed my way of thinking.

(Continued On Next Page)



Top view of chassis RF compartment. The 6146 is at the left top. The tuning and loading capacitors are at the bottom. The coil assembly is just right of center. The SO-239 (RF Output) is on the far left.



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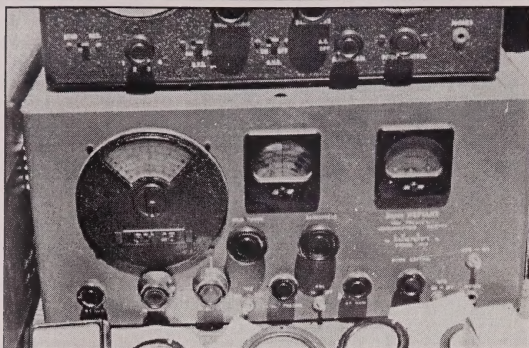
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Nostalgic Wavelengths - Continues



One of the great old receivers of the day, the Hallicrafters SX-25, Super Defient HF Receiver. Tuning dial, band spread dial and receive "S" meter.

Before starting the next transmitter project, I built a six meter transceiver complete with AC/DC power supply in a custom cabinet I bought from World Radio Laboratories (WRL), but that is another story.

After I'd saved some money, I decided to build my ultimate version of this evolving six meter rig. This time, I used a brand new chassis complete with front panel for mounting in a rack cabinet. I located a couple of nice surplus meters. One was for plate current, the other for grid current. I even went so far as to use separate power supplies for the transmitter and modulator. In the previous rig, I had some minor problems with downward AM modulation, and this cured the problem. I purchased an RF relay and enclosed it in an aluminum minibox for shielding. The transmitter had sockets inside for different crystals which could be switch selected. One position was for a VFO, a WW-II ARC 5 transmitter covering the 8 MCS range. A 12AT7 served as an oscillator work-

ing on the third overtone. The second section of the 12AT7 was used as a frequency doubler to bring the frequency up to the 50 MC range. The modulator used a 12AX7 as a speech amplifier, and the second portion of the tube was used as a phase inverter to feed the 5881 tubes (they had better performance than 6L6s) operating class AB-1. The 12AX7 had more gain than a 12AT7, regarding the speech amplifier section. The modulation transformer was a Triad M-3X type. I really spent some time on this "last" transmitter I built for 6M taking care to use matched controlled knobs and decal lettering. I sprayed the whole panel with Krylon spray for protection.

As you can see from the photographs with this article, my final homebrew six meter transmitter survived the years but rust and corrosion have not been kind to this old relic.

Getting Started - Concludes

pick the right radio, that's probably just reprogramming it to ham frequencies. There is a little equipment available for the 1240 band. It's in some of the expensive satellite oriented multi-mode VHF/UHF radio, and that Icom T-84 I mentioned (I've yet to hear my first amateur signal on the band). But that doesn't make it a hotbed of activity.

These and higher bands hold much of the future of Amateur Radio, and even today there's some "use it or lose it" threat to them. They will be most important for satellite use, and perhaps broadband digital modes that are just on the drawing board now.

MULTI-MODE

In this article, I've mostly talked about F-M, and the potential to emulate the two meter FM experience on other bands. But if you're a Tech looking for another challenge within your license class, there are some other worlds out there for you in each of the VHF and UHF bands. Single Sideband, cw, packet, and satellite operation will all expand your horizons and shrink your bank account. I think I've done enough damage for now, though, so I'll hold off on the multi-mode discussion for another day. But I invite multimode users to e-mail me with brief accounts of your experience on the bands, since my own experience is limited. Send mail to kn4aq@sera.org.

For now, I'll leave you to ponder the world beyond your two meter HT, and figure out where you might stuff another radio and antenna on the family sedan.

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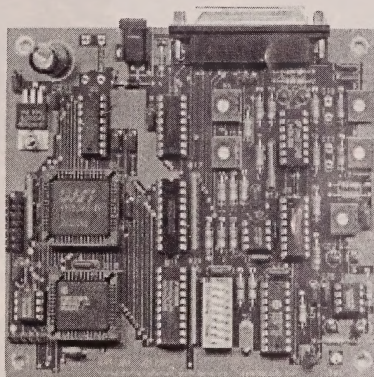
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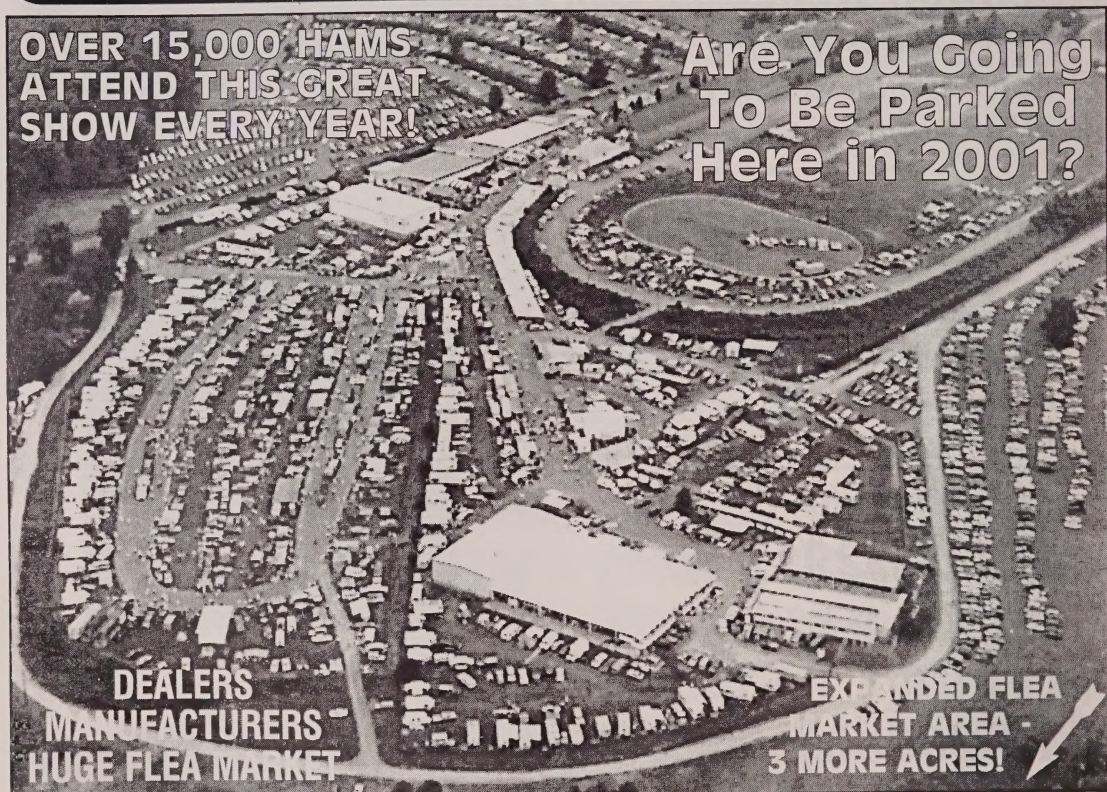
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What is Happening - In South Carolina

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Hello South Carolina,

Since the last issue, I had the privilege of attending the SERA Winter Board Meeting in Pigeon Forge, Tennessee. I was glad to see that it was very well attended. I met several SERA members that I had been corresponding with over email including the Editor of the SERA Journal, Wayne Williams who gave me this position. Wayne does an excellent job with SERA and the Journal. He has mailed me the datasheets for twenty-seven "unknown" repeaters in South Carolina. My return mail response has not been what I expected. If you received a letter from me about your repeater and have not returned it, please do so. Frequency Coordinators cannot properly do their job without up to date information.

The Anderson Radio Club held it's annual club auction in January. The proceeds will be used for upkeep on the club repeaters. Les Shattuck, K4NK was guest speaker at the January meeting. Les is ARRL Vice Director for the Roanoke Division. He brought news from the ARRL. The club had a program on communication techniques at their March meeting presented by the Army Reserve Unit in Clemson. The ARC nightly net is at 8:30 pm

on 146.79.

Jerry R Lambert, N4BAO also informs us that the Anderson Club (N4AW) will operate a Special Event Station from 1200Z on 25 May to 2400Z 28May, during the Freedom Weekend Aloft, Anderson's hot air balloon festival.

Frequencies will be 14.050, 14.250, 21.350 and 28.350. A nice certificate will be offered. Send information to: Anderson ARC, P O Box 1525, Anderson, SC 29622.

The Blue Ridge Amateur Radio Society provided communications for the Reedy River Run on March 3. This was the first of many volunteer events that the BRARS has planned for 2001. The group had a program in February on Special Event Stations. They discussed what it takes to run a special event station. They also sponsored an Advanced Skywarn Training Class on March 27 at the National Weather Service Office near the Greenville/Spartanburg Airport. I congratulate Marty Brett, KT4K, a BRARS member who assisted with an emergency involving the shooting of a man on a Swedish vessel sailing off the coast of Venezuela. For full story, see: <http://www.arrrl.org/news/stories/2001/03/21/6/?nc=1>. BRARS welcomes new members Sam Bradshaw-KG4LPF, and Stu White-W4KQV. Congratulations to Josh-KG4KBA for upgrading to General in February and Extra in March. The BRARS has mailed out 11,000 flyers for the upcoming Upstate Hamfest on May 5, 2001. The Hamfest was held at the Spartanburg Fairgrounds and I expect to be there offering SERA Memberships.

The Costal Amateur Radio Association has replaced the 146.910 "Whitehall" repeater. The repeater has been off the air due to interference problems at the site. A new repeater is now on the air and thanks to Phil Shreves, it is doing a great job with more

range than ever. The "Whitehall" repeater is part of the (Low Country Repeater System) Send me your news.

The Cherokee County Amateur Radio Club is busily involved in fundraisers. They have, raised more than \$1000.00 for their club and community. The next fundraiser will be to benefit the Cherokee Chapter of the American Red Cross. They will be grilling hot-dogs and selling them for \$1.00 each. The CCARC is making plans to have field day this year for the first time. They plan to set up at Lake Wheelchel. For more information about field day activities, contact Bobby Fisher, AB4OE, President of CCARC.

The Chester Amateur Radio Emergency Services Club has received a donation of a 1977 Allegro Motor Home. They plan to equip it with two way radio for use by emergency response agencies such as fire, police, ems, and Red Cross. Of course there will be plenty of "ham" gear. The mobile communications center will be available for use by all Chester County Emergency Services. The CARESC President, Joel Shockley, K4TDG was featured in the lifestyles section of the Chester Newspaper. Joel's first contact on December 25, 1956 at the age of 19 was with Dick Stalnaker, K4MTG of Union, S.C. Joel has worked all states, and has 178 countries confirmed. He is still very active today on the local repeaters and the DX bands. The CARESC congratulates Bruce's wife Diana, KG4LRK for getting her Technician license at the Elkin, N.C. Hamfest. They also welcome back Bruce Pistole-N4VVX who came to the March meeting after being out with a long illness.

The Columbia Amateur Radio Club is in the process of planning ham classes. The

(Continued on Next Page)



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C4

South Carolina News Continues

classes probably will be 6-8 weeks in length. There will be no charge for the classes, only materials. More on this later. The CARC is planning a updated webpage for the club. Billy Estes, KD4DPB and Robert Cooke are working on this project. The CARC currently has 45 members led by their president, Paul Judson, K4IRT. I used to talk to Paul several years ago on 6 meters.

The Foothills Amateur Radio Club is in the process of upgrading their repeaters. New duplexers are in store for their 442.125 machine, and a tone board is going to be installed in the 146.700 repeater.

The Florence ARC is in the process of conducting code classes for those desiring to upgrade to a General Class License. The classes started January 3 and are still continuing. The FARC published a nice article in their newsletter about antenna rotators. I enjoyed it very much. The club welcomes their new members, Tim Webber-WD4CHS, Ray Caulder, N4HPD, and Bill Chaney, N4AAK. This brings the membership up to 37.

The Grand Strand Amateur Radio Club now has an amateur TV repeater bearing the call sign W4GS. According to an article I read in the Florence ARC newsletter, if you have a cable ready TV turn to channel 57, disconnect your cable and hook up to an antenna and if you are within 15 miles of Myrtle Beach, you can receive the signal. According to KR4WM the repeater should cover Murrells Inlet to Little River and westward to Aynor. GSARC, send me your newsletters.

The Greenwood ARS held its annual hamfest in January. According to their newsletter the hamfest was a success. After discontinuing the hamfest briefly, hamfest chairman Kevan Nason-NS4T, and the GARS membership worked very hard to increase dealer displays, and attract attendance. The proceeds help fund the 147.165, and the 443.900 repeaters. The GARS meets the third Monday of each month at the Fireman's Training Center on Airport Road in Greenwood. I appreciated the opportunity of having a SERA table there this year and look forward to next year.

The Hartwell Hamfest will be May 19th at Sadler's Creek State Park. VE exams to be held at 1:00 PM at the Willford Fire Station on Hwy. 187 near the park.

The Keowee Toxaway Amateur Radio Club's January program was held on basic

computer maintenance and repair. The program was presented by Gil-KS4YX. Everyone enjoyed Gil's program. The February program was presented by Mike-N9GSX. The topic was Severe Weather and Emergency Communications. A weather spotters class is planned for the future. The KTARC welcomes new members Jimmy and Glenda Taylor, AF4EE and KG4KTQ.

The North Augusta Belvedere Radio Club watched a video at its January meeting describing how amateur radio communications with a ship off the coast of Central America helped save a life. Pirates attacked a ship. Other plans, the NABRC, a foxhunt and watch a video on the FOAAA Clipperton Island Dx-pedition at their March meeting. The North Augusta Belvedere Radio Club is a new edition to our SC news column this month. I appreciate the newsletters. Keep them coming.

The Salkehatchie Amateur Radio Society held their annual tailgate event on April 28. Members had worked very hard to see that this year's event would be a success. As always, there will be plenty of good food to purchase, VE testing and plenty of items for sale. The SARRS has been holding code classes. The club is also planning to start a WCARS VE team. Applications have arrived, and have been distributed to interested parties. A sky warn class is also planned after the hamfest. The SARRS is an ARRL affiliated club.

The Spartanburg Amateur Radio Club has new club jackets. I am told they look very nice. Maybe Gerald-WG4E will wear one to Union so I can see it. Fritz-W4NTO has modified his famous "beer can" antenna to a 2 meter/440. According to Fritz, a simple modification and retune job and presto, what was a 2-meter antenna now also works very well on the 440 band. Maybe we can get Fritz to write a story for the SERA Journal about this antenna. The 147.09 repeater was down for a few days due to the power supply, but is back on the air. The annual Mt. Mitchell bike race is coming up in May. The SARC provides communications for this event each year. Les Shattuck, K4NK, Vice Director ARRL Roanoke Division spoke at the February meeting about the WARC 2003. He discussed how the ARRL was involved, and realignment of the 40 meter band. Les is a fine speaker and I am sure his presentation was enjoyed.

The Sumter Amateur Radio Association has a new repeater and controller for the 147.015 machine. Many thanks to Dave Gosselin and the technical committee. Members of the SARA assisted the Sumter

Chapter of the American Red Cross with an Earthquake Drill on March 7. The club is also making plans for their hamfest on October 27. The location will be changed this year to the American Legion Building at the Sumter Fairgrounds. Dave Jones-K4DLJ was guest speaker at the February meeting of the SARA. He did a program on contesting. I know Dave did a great job. The SARA holds a net every Sunday night at 8:30 pm on 147.015. Check in this Sunday.

The Union County ARC members have organized the Union County WCARS VE Team, the first time that Union has had its own VE team. Thanks to John-ND4N and Sue-N4ENX Chism for the time they spent training our team. John and Sue are very special people. I appreciate the work they do with VE testing. Our team will be testing the second Thursday night in January, March, May, July, and September. The location will be the Union County 911 Center on South Pinckney Street in Union. Test time will be 7:00 pm. For more info - email: w4rwg@sara.org, or VE Team Leader Jim Cantrell-W4JC at: w4c@qsl.net.

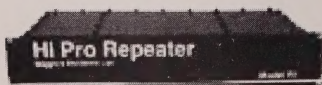
Thanks to Les Shattuck-K4NK for his generous donation of a UHF repeater, duplexer, hard line, and hard line connectors to our club. Along with these items came an additional parts repeater and numerous related items, which will assist us in our UHF repeater project. Les is the A.R.R.L. Vice Director for the Roanoke Division.

Many thanks also Jack Smith-K4DXL for his donation of the nice 440 duplexers to our club. He has provided other much needed equipment such as the power supply for the 146.685 repeater. If you see or hear Jack or Les, be sure to thank them for their generous efforts in supporting amateur radio.

In closing, I know most of you in the midlands and upstate of South Carolina know or have talked to Captain Jim on the beautiful blue waters of Lake Murray as he likes to say. Captain Jim-WA4KXO has had some medical problems and for the last few weeks has not been able to check-in the many nets that he is famous for checking in with. He is in a Rehabilitation Center recovering from a stroke. I know he misses all of his ham friends, so send him a card at: James Robb, P.O. Box 444, Room 204, Bethel Building, Lowman Home, White Rock, SC, 29177 or you can call him in his room at 803-407-8710. His wife Ms. Ev had a telephone installed in his room so he could receive calls from his friends.

If you are reading this magazine and you don't see anything from your club, ask them why? Then tell them all they have to do to send their club news in print is to send it to me at: w4rwg@sara.org. -73 Roger, W4RWG

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broadband@msn.com

There is a need to get as much promotion and exposure for repeater owners and the clubs in Virginia as can be possibly done. Clubs and individuals can learn from reading about what their neighbors are doing.

The SERA Repeater Journal is the most Recognized Regional Amateur Magazine in the Nation. Your Journal provides a "free" vehicle to publicize the events your club or repeater participates in. We need use it! I want us in Virginia to be heard.

Before I took this job, I was concerned for the very small coverage Virginia hams were getting. So I volunteered to cover the entire state in hopes that our own state will have as much information an news about its hams and repeaters and clubs as some of our neighboring friends.

My goal is to provide an open forum in my column in the Repeater Journal for my own state of Virginia. There is one little catch though. This is a volunteer job, and limited resources prevent me from going out and traveling all over the state soliciting news.

This is where you can help me. If your club puts out a newsletter - put me on the mailing list. If your club participates in a special event, send me the information, and pictures if you have them. You can call, mail, or email me with your clubs information. I will take information provided and try very hard to get this info out in an interesting article for all of us.

Repeater owners, let me hear from you. I know you have something to say and have

some things you are planning as do I with my repeater so lets get them out there so others can see it too!

See you at the Bronco Club in Franklin for the annual Tailgating/picnic on Sat. June 9. Its main attraction is a relaxing day with plenty of down to earth fellowship. There is tailgating and lots of story telling. Contact Stu at WA4JUO@juno.com. A Carolina Style BBQ with all the trimmings will be served around 1 PM. There is no admission charge with Lunch being the only charge item. Talk in will be the KD4ITB Franklin Repeater at 147.30/90. If you enjoy the smaller crowd, high friendship type atmosphere and free tailgating space then this is the place to be on that day!

I hope to be attending some other activities in the coming months, but am not sure which yet. Why don't you send me an invitation-with your club or repeater information!

Thank you - Til Next time- Sammy, KD4MJ0.

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Tennessee News

From the West



Rickey Brown, KE4CES
2214 N. Highland Ave.
Jackson, TN 38305
rickeytynbrown@hotmail.com

The Delta Amateur Radio Club is making plans for this years annual Field Day on the fourth full weekend of June. This year's event is scheduled to take place at Freeman Park, located in Bartlett. The following club members who have volunteered to serve on this committee are: Tom Richardson, K4TTA, Phone Captain; Ken Greeg, K4DIT, CW Captain; David Campbell, KD4NOQ and Paul Lemieux, KG4GYV as VHF-UHF Captains, and Freddy Bratton, KF4ZGJ as the Publicity Representative for the event.

As part of the Field Day effort, they are planning to operate a station in the CQ WPX DX (Phone) contest. Terry Cox, KB4KA has most generously offered the use of his contest station for this Club activity. In case somebody does not know, in addition to being DARC Vice-President, Terry is President of the Hickory Withe DX Club and his station is the primary contest station for that club.

As an incentive for participation in Delta Club activities, the Club will be awarding 1 ticket for the November drawing for each sanctioned DARC event in which you participate for a minimum of 2 hours (or until the conclusion, if it last less time). Since Field Day is our 'REAL BIGGIE' you get 5 tickets for a minimum of 5 hours participation.

The McNairy County Amateur Radio Service recently co-sponsored a "Severe Weather Spotters Class" to a packed McNairy County Courthouse in Selmer. The class was instructed by Andy Sniezak and Steve Cromer of the National Weather Service from Memphis. The event was set up by Ruby Moore, Director of the McNairy County Emergency Management Agency and George Bartlett, WB4MMI, local coordinator of the McNairy Amateur Radio Service.

McNairy County ARES/RACES have started a new local net every Thursday evening starting at 8:00 p.m. on 146.805 repeater, last week they had 14 check-ins. Great start guys!

The West Tennessee ARS has been busy with club activities this season. They started in February by sponsoring a "Severe Weather Spotters Seminar" at the West Tennessee Boat, Sport and Travel Show at the Carl Perkins Civic Center in Jackson. Outgoing Club President Lee Towater, KF4NZV and Chris Brazzell, KF4WNB kicked off the event

and shared how amateur radio is such a vital part of the SKYWARN program, helping to save lives and property. Jim Belles, KB0TUZ, Meteorologist with the NWS in Memphis taught the class. There were over 50 new certified severe weather spotters who completed this years training.

Another interesting program held by WTARS was highlighted by John Rickard, KJ4CA who conducted the monthly meeting at the downtown public library. His program included his sharing of over 40 years experience in electronics and radio communications technology. The club received several positive newspaper articles about John's program and his contribution to amateur radio. He is also a physics and medical electronics instructor for Freed-Hardeman University in nearby Henderson, Tennessee.

WTARS held it's March meeting with a program sponsored by Randall Roby, KF4PFW, who is the Operations Officer and Project Impact Coordinator for the Jackson-Madison County Emergency Management Agency. This is a joint program sponsored by FEMA (Federal Emergency Management Agency) and administered on a local level. Impact focuses on bringing the community closer together to take actions that prepare for and protect against natural disasters. Members enjoyed an evening of fun, education an fellowship and after the meeting a door prize was given to Scott Edwards, KG4KTL. Also, club officers distributed a 30 second public service announcement to the local TV station WBBJ TV Channel 7, for regular airing. Newly elected officers for WTARS this year are Ken Rogers, AF4ZR, President, and Kenny Johns, AB4EG, vice-president, who will be in charge of programs.

Amateur Radio has been revived in the Dyersburg, Tennessee area! The Dyersburg-Dyer County ARC recently held a start-up fresh organizational meeting to bring the club and amateur radio back to life in their community. After a period of inactivity, the 146.745 repeater is coming back to life! In the spirit of renewed interest and cooperation from the City of Dyersburg, the club has taken a giant leap forward with the incorporation of amateurs in the Dyer County EOC. They are going to be a vital part of the EOC with response and Skywarn training and certification.

James Medlin, Dyer County Emergency Management Director and Tommy Gibbons, Captain with the Dyersburg City Fire Department attended the meeting and pledged their support and cooperation. New amateur radio equipment has been purchased to be used at the EOC. They are planning 4 exercises this year to establish communications with surrounding counties to test their abilities with the amateur equipment and other amateur stations. The club recently participated in "Severe Weather Awareness Week" with the Tennessee Emergency

Management Agency. Traffic was passed between Dyersburg and the TEMA office in Jackson and surrounding counties and clubs. A new location for the 146.745 repeater has been identified on an existing commercial FM tower, installation and antenna location work have been offered by the station and technicians.

Volunteer examiners were also attending the Dyersburg meeting and immediately after the meeting, amateur exams were given. There was quite an air of excitement when Matthew Singleton, age 12, passed his technician exam and then his brother Michael Singleton, age 10 passed his. Eddie Singleton, KE4UJP and Melissa Singleton, KE4UJO, were two very proud parents. Both boys were eager about sharing the excitement and discussed how great it would be to get their first handle talkie and support the newly formed club activities! Glad to see amateur radio coming back strong in Dyersburg!

Let me express my appreciation to all the clubs and amateur radio operators who contributed to this months column. I know there are other repeater owners and local clubs whom we would love to share the members with your activities. Please feel free to contact me and keep the e-mails coming. Thanks, Rickey <ke4ces@sera.org>

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The Charleston Hamfest was held on March 17. Attendance was good, food was great and tables were full. What else could a Ham Radio operator wish for. I saw a lot of people I knew there. This was the first show for this year in WV. I attended the forum for Ares/Races. We discussed the state wide drill for our state. Out of 55 counties we had a total of 44 of them check into the net.

On Jan. 20th the Office of Emergency services in conjunction with Ares/Races, and Mars members across the state held their

With county offices and state offices working with us and we continuing to train in emergency communications and traffic handline, I think we can handle any type of emergency that should arise.

The Plaquemine Radio Club and The Black Diamond Radio Club had their hamfest at the armory in Beckley on March 24. Attendance was good, food was good, dealers were good, and I think every one who went had a great time. SERA was represented in a booth with Don Williams W4VT, SERA President, and Alex Hedrick N8FWL, SERA WV Vice-Director. The ARRL booth was manned by Ollie Rinehart, WD8V, our ARRL SM and wife Ann KA8ZGY. Also, Charles, W4WAW was there with his wife and her famous chocolate candy. It was a good hamfest. I liked the way the clubs treated us in attendance.

The Southern Mountain Amateur Radio Club have their 2001 officers; President, Roger Wimmer (W8TQM); Vice-President, Allen E. Auvil (N8SNW); and Secretary/Treasurer, Augustine Wimmer (KC8CKJ). The Sargeant of Arms was ED Osborne (KB8OYU).

The President has numerous events planned thru out the year. Fund raisers, training, and a lot of fun. President Roger, had been in the hospital but now is out and recovering at home, we wish him well.

There is an on going training of ham operators in Mingo county, with classes on Technician, General and Extra. CW classes

A lot of credit goes to those who conducted the classes and those who gave the exams. Stan Hatfield, KT8J, Abb Starr, N8IBK were the instructors. VE's were Christy Chisholm, KE6TQZ, Steve Chisholm, KE4RA, Lyle Endicott, KB8TKK and B.J. Thompson, K8QZ.

I probably missed a few of you in these items I submit to the Repeater Journal. Please forgive me.

In closing, it is with sad regret that we say good-bye to KB8IFS, Terry North. Terry was the one who kept the packet nodes and linking systems going.

Also K8SVH, Bob Skidmore passed away on March 21. Bob, a very likeable person, will be missed on the WV phone net.

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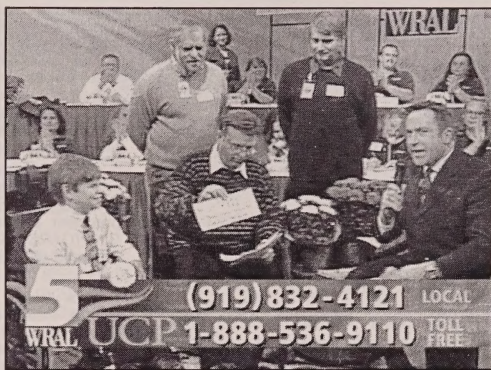
Ham Club Helps Out in Telethon

The Smith Chart ARS of the Raleigh, NC area was in action in February at the United Cerebral Palsy Telethon. Bob, K4HA Chuck, K4NYS and Frank, W4FAL were assisted by 10-year-old Kyle Leshko with an on the air presentation of an \$800 contribution to UCP from the Smith Chart Society.

After the presentation, young Kyle, himself with Cerebral Palsy, was treated to a personal tour of WRAL TV's new HDTV newsroom by station engineer and Smith Chart member Mike Upchurch, W4MLU. Kyle got a close up look at some of the latest in HDTV broadcasting technology, including robotic studio cameras that move around the studio floor with grace and speed that make camera shots that would be difficult or impossible for a human camera operator to accomplish.

Later in the day Bob, Chuck and Frank did a two hour shift on the Telethon phone banks. Frank said it was just like working a contest! Instead of collecting QSO's for the radio log, we were collecting donations for UCP. We even got a call on the phone from Kyle after he'd gone home thanking us for helping out.

-photo courtesy of Mike Upchurch, WRAL-TV



TECHNICAL ADVICE

Mobile Antennas made Simple, well almost!

by Randy McKenzie

k4y4tv@hotmail.com

All of us seem to have at least one mobile rig. In past articles I discussed installation and maintenance, but this time, lets discuss the different options for mobile antennas. No math or high tech lingo, just simple principles of operation, and common sense!

Two meters is the main band of operation. Most of us choose a 5/8 wave to get some gain. Is this always the best choice? Lets compare the ideas behind antenna gain. Gain of an antenna is compared to a dipole or 1/4 wave ground plane. These antennas are very reliable and EASY to build. Lets assume a 1/4 wave ground plane is unity gain (meaning no gain or loss). The theory is that the radiated signal is a circle. Picture a basketball as the antenna.

The 5/8 wave antenna is specified to have 3 db of gain. There is no power or amplifiers in the antenna so how to we get gain? The secret is small DNA sized amplifier designed by the government from plans found in a UFO. Gigggle now please. . . Gain in the 5/8 is actually a simple trick. If the 1/4 wave is on the top of your car, you need signals to radiate to the repeater or the station you are talking to. So what good is signal shooting up to the sky or down to the ground when your station is on the horizon?

The signal becomes more concentrated in the right directions. More signal is radiated from the antenna on the sides, and less upward or to the ground.

Picture a football beside the whip. The gain referenced is to the 1/4 wave. If it radiates 1 unit to the side, the 5/8 wave will radiate 2 units to the side. (3 db = double the power) The theory of radiation for a 1/4 wave is a ball, equal in all directions.

The 5/8 wave is elliptical, with more concentrated on the sides, less to the top and bottom. The reason why is more than we really need. Simple? Now for real life situations.

If you are on the top of a mountain, and you transmit on a 1/4 wave antenna, you will have good coverage below the mountain, as well as some distance away from the base. Using a 5/8 wave, you will have less signal at

the base of the mountain, but you will go further distances away. Twice as far you ask? No. Doesn't work that way. A repeater owner will pick a gain antenna in most all cases. Not specifically for the added distance, but mostly to overcome losses in the repeater system (like cable and duplexer loss). Money plays a part too . . .

What is my best choice when buying a mobile antenna? I answer with two questions: 1. Where will it be mounted? 2. Where will you be traveling? The mounting location may not provide a good place. A 1/4 wave is more forgiving when a poor place is picked. A 5/8 wave likes to have some ground plane under it. Where you travel makes a difference too. If you live in relative flat areas, like Charlotte NC, then a 5/8 wave would be best. If you live in Grundy VA, where the mountains are very steep, a 1/4 wave may be better.

Why? Think about the radiation. Carolina is flatter, less things to block your signal. Where in the coalfields, the signal is blocked by the steep mountains. A 1/4 wave would radiate more upward, toward the repeater. And before I get ten thousand e-mails claiming what you use, I remind you, this is a discussion of theory.

Who makes a good antenna? I have used many in the past: Maxrad, Larsen, Antenna Specialist, and many others. All provide very good products. I have found the 3/4 inch Motorola style mounts to be a little better than the others. No antenna will perform unless it is installed and tuned correctly. I covered this in previous articles. Please remember safety when picking a location on your vehicle. The center of the roof is the best place, with the trunk deck being second.

Many of you may not want to drill a hole in the roof. I have found that the magnetic mount types work just as well. Be careful with these, they will scratch the paint.

I maintain mobile antennas at work for the State Police as well as other State agencies, and the biggest problem I find is moisture. Keep a check on your antenna and it will perform for several years.

Mobile antennas for 6 meters will normally be a 1/4 wave, while 2 meters, 440 and above will usually be a gain antenna. Whatever you use, it seems to work. So will a 5/8 wave always be better than a 1/4 wave. Now you may be able to answer!

-God Bless till next time: Randy

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News of Georgia



**M. Terry Jones,
W4TL**

4816 Windwalker Drive
Flowery Branch, GA 30542
(770) 967-1466 - 967-6364
w4tl@mindspring.com

Well, Folks, it's spring again and some of the trees and flowers are blooming. I guess my favorites are the Dogwoods and Bradford Pears. Their blooms are beautiful, but are really short-lived. We need to be alert to other things that come this time of year and that is severe weather. We need to be sure our emergency equipment is ready to use should the need arise. While checking out our emergency equipment, it is also a good idea to take care of any antenna work that needs our attention. The winter elements usually leave us with some maintenance to do. Remember the old adage, "an ounce of prevention is worth a pound of cure."

The Georgia ARES organization has some good news. The Georgia Public television towers have all been made available to ARES for the installation of a linked repeater system for a statewide emergency communications system. Georgia ARES officials are working with our state SERA Director (frequency coordinator), Rick Wright, W4LOC, in working out the details on this proposed system. We hope to have more information on this in future issues of The Repeater Journal.

There are several Georgia hamfests com-

ing up in the next few months. They are Statesboro, May 19; Atlanta, June 2; Albany, June 9; and Gainesville, July 14. If at all possible, make an effort to attend and support the hamfests. Most of these club-sponsored hamfests use the proceeds to support and maintain some of the great repeater systems we are fortunate to have here in Georgia.

Congratulations are in order for Susan Swiderski, AE4FO, who was recently elected president of the Gwinnett Amateur Radio Club (GARS). Susan is also our ARRL ACC (affiliated club coordinator) for the GA section.

Rick Wright, W4LOC; Jeff Benjamin, W4KM; Pete Seabolt, N4KHQ; and myself represented SERA at the Dalton Hamfest February 24. We had a good time. We hope that as the schedule of the Georgia staff allows, we can represent SERA at more Georgia hamfests.

There are some Georgia repeater owners whose repeaters are shown in the "unknown" column. It is a very simple matter to be taken out of the unknown column. Contact your Georgia State Director, Rick Wright, W4LOC, <w4loc@sera.org> for details.

The net I would like to emphasize this month is the Georgia Single Sideband Net. This net meets daily on 3975 kHz (6:30 pm in winter and 7:30 pm in summer). KR4CG is net manager.

I sincerely hope you have a wonderful spring and summer. I look forward to seeing you at a hamfest soon. Don't forget to participate in ARRL Field Day on June 23 & 24.

-73' and send news and Newsletters - Terry, W4TL

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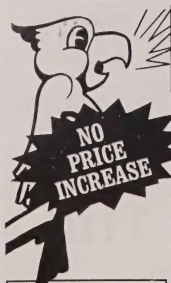
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The SERA Repeater Journal Southeastern 2001 HAMFEST/CONVENTION SCHEDULE

Please Note: Hamfest dates marked with an asterisk (*) are NOT confirmed and are based on information on record from the previous year's date, with no guarantee of accuracy. Hamfest sponsors are urged to get their correct show dates to the *Repeater Journal* Editor as soon as possible. We acknowledge and appreciate assistance in confirming dates from SERA & ARRL Directors; the ARRL Commercial Dealers; and the response of many clubs and individuals sponsoring ham and computerfests. **Deadline for August issue is July 1, 2001.**

MAY, 2001

4-5 . . . LA State ARRL Conv/HF, BATON ROUGE, LA
5 . . . Upstate Hf (Blue Rgd. ARS), SPARTANBURG, SC
5 . . . Big Sandy ARC 3rd Annual Hamfest, LOUISIA, KY
5 . . . A.A. Rundel/Kent Is. Hamfest, GRAYSONVILLE, MD
5-6 . . . Birminghamhamfest, BIRMINGHAM, AL
6 . . . Antietam RA Hamfest, HAGERSTOWN, MD
6 . . . Jax City ARC Hamfest, RIPLEY, WV
12 . . . Johnson City ARC, MOUNTAIN CITY, TN
18-20 . . . Hamvention, DAYTON, OH
19 . . . Hamfest at Sadler's Cr. Pk., HARTWELL, GA
19 . . . Roanoke ARS Swapfest, WILLIAMSTON, NC
19 . . . Hamfest, STATESBORO, GA
26 . . . Pennyrile Tailgate at Park, DAWSON SPRINGS, KY
26 . . . Dur-HamFest at S. Sq. Mall, DURHAM, NC
27 . . . MD FM Assn. Hamfest, W.FRIENDSHIP, MD

JUNE, 2001

1-2 (Fri-Sat) . . . HF at Jax City, FG PASCAGOULA, MS
1-3 . . . SERA Summer Bd Meet, PIGEON FORGE, TN
2 . . . Atlanta RC Hamfest, ATLANTA (MARIETTA), GA
3 . . . Ole Va Hams, Hamfest at FG, MANASSAS, VA
3 . . . Hamfest, PRINCETON, IL
8 (Fri eve) Elec. Expo/Sneak Preview, KNOXVILLE, TN
9 . . . Hamfest & Electronics Expo, KNOXVILLE, TN
9 . . . HF/Computer Fair, ALBANY, GA
9 . . . Franklin ARRA Picnic/Tailgate, FRANKLIN, VA
9 . . . Hamfest at Dixie Frgrnds, WINSTON-SALEM, NC
10 . . . N. Ky ARC Hamfest, INDEPENDENCE, KY
10 . . . Hamfest (Suffield) AKRON, OH
16 . . . Nashville ARC Hamfest, NASHVILLE, TN
17 . . . Frederick ARC Hamfest, FREDERICK, MD
17 . . . LakeCity ARC Hamfest, CROWN POINT, IN
23-24 . . . ARRL FIELD DAY

JULY, 2001

7 . . . ARRL Cen.Div.Conv/Hamfest, INDIANAPOLIS, IN
7 . . . Firecracker HF at Civic Cen, SALISBURY, NC
14 . . . Lanierland ARC Hamfest, GAINESVILLE, GA
14 . . . Hamfest at Bradley HS, CLEVELAND, TN
20-21 (fri-sat) . . . Milton ARC Hamfest, MILTON, FL
21 . . . Midsummer Swapfest, CARY, NC
21 . . . RCARS Hamfest at Cedar Pt. Park, DAYTON, TN
28 . . . OH-KY-IN ARS Hamfest, CINCINNATI, OH
28 . . . WCARS HF, Haywood Cty. FG, WAYNESVILLE, NC
29 . . . Portage Cty ARC Hamfest, RANDOLPH, OH
29 . . . BRATS HF and Computer Fest, TIMONIUM, MD

AUGUST, 2001

4 . . . HF at Wm. Byrd H.S. VINTON, ROANOKE, VA
4 . . . Voice of Aladdin ARC Hamfest, COLUMBUS, OH
5 . . . 51st Annual Winchester HF, BERRYVILLE, VA
5 . . . Hamfest at Stuben City Frgrnds, ANGOLA, IN
11 . . . CFARS Hamfest, at Meth. Col., FAYETTEVILLE, NC
11 . . . TARA HF & Comp. Show, HUNTINGTON, WV
12 . . . HF at Nat'l Grd. Arm, LEXINGTON, KY

18-19 . . . HF at Braun Civic Cen, HUNTSVILLE, AL
19 . . . Warren ARA Hamfest, WARREN, OH
25 . . . WV State Conv/HF, (Jksons Mill) WESTON, WV
26* Sht. Mt. RC, Hamfest, CEDARS OF LEBANON, TN

SEPTEMBER, 2001

1-2 . . . Hamfest at Cleveland Cty FG, SHELBY, NC
8* . . . Owen Cty ARA Hamfest, SPENCER, IN
8 . . . KY ST. ARRL HF at Bullitt City FG, LOUISVILLE, KY
8-9* . . . Hamfest at Auditorium, MELBOURNE, FL
9 . . . Findlay ARC Hamfest, FINDLAY, OH
9 . . . Butler City ARA Hamfest, BUTLER, PA
14-15 (fri.nite-Sat) . . . Mobile ARC Hamfest, MOBILE, AL
15 . . . Arl St. Conv/Hamfest, LITTLE ROCK, AR
15 . . . Paulding ARC Hamfest, DALLAS, GA
15 . . . Mobile ARC Hamfest, MOBILE, AL
16* . . . Hamfest at Nat'l Grd. Army, BUTNER, NC
16 . . . Greater Cincinnati ARC Hamfest, CINCINNATI, OH
22-23 . . . Hamfest, VIRGINIA BEACH, VA
23* . . . FARS Hamfest, BOWIE, MD
23 . . . Hamfest Assn. of Clev. HF, CLEVELAND, OH
28-29 (Fri-Sat) . . . Ten-Tec Hamfest, SEVIERVILLE, TN

OCTOBER, 2001

6 . . . Hamfest/Computer Fair, ROCK HILL, SC
13 . . . Stafford ARA Hamfest, STAFFORD, VA
13 (New Dte) . . . Hamfest, OAK RIDGE, TN
13 . . . ARC of Augusta, HF/Comp Show, AUGUSTA, GA
27 . . . HF at C.Jordan in E.Ridge, CHATTANOOGA, TN
27 . . . Sumter ARC Hamfest/Comp. Fair, SUMTER, SC
27 . . . Gr. Jax HF Hamfest, JACKSONVILLE, FL

NOVEMBER, 2001

3* . . . UCARS HF at Nat'l Grd. Ar., MONROE, NC

3-4 . . . HR/Comp. Expo '01, LAWRENCEVILLE, GA
10 . . . Beachfest 2001 Fleamarket, MYRTLE BEACH, SC
10* . . . Hamfest at St. Fairgrnds, MONTGOMERY, AL
10* . . . Hamfest, PORT. ST. LUCIE, FL
16-17 (fri-sat) . . . Hamfest, OCEAN SPRINGS, MS
16-17* . . . Twin City Hams Hamfest, WEST MONROE, LA
17* . . . Hamfest, CORAL GABLES, FL
17* . . . Grant ARC Hamfest, GEORGETOWN, OH
17-18 . . . IN ST. ARRL Conv/Hamfest, FT. WAYNE, IN
18 . . . JARSFEST 2001 at American Legion, BENSON, NC
24 . . . EARS Hamfest, EVANSVILLE, IN

DECEMBER, 2001

1* . . . Hamfest, MINDEN, LA
1-2 . . . ARRL SE Div Conv/HF, PALMETTO (Tampa), FL
2* . . . Hancock ARC Hamfest, GREENVILLE, IN
8 . . . Union Cty ARC Hamfest, at Armory UNION, SC

2002 CONFIRMED DATES

Jan. 5 . . . Hamfest, MORRISTOWN, TN
Mar. 9-10 . . . Hamfest, CHARLOTTE, NC
Apr. 6-7 MD ST. ARRL Conv/BARC HF, TIMONIUM, MD
Apr. 14 . . . NC ST. ARRL Conv/Hamfest, RALEIGH, NC
May 17-19 . . . Dayton Hamvention, DAYTON, OH
Aug. 4 . . . 52nd Annual Winchester HF, BERRYVILLE, VA
Aug. 16-17 . . . Hamfest, HUNTSVILLE, AL

2003 CONFIRMED DATES

Jan. 4 . . . Hamfest, MORRISTOWN, TN
May 16-18 . . . Dayton Hamvention, DAYTON, OH
Aug. 6 . . . 53rd Annual Winchester HF, BERRYVILLE, VA

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Repeater Journal Advertisers index

Alinco Electronics (CA) COV. IV
ARRL Membership (CT) 48
Cary Hamfest (NC) 43
Charlotte Hamfest (NC) 38
Commercial Printing Service (NC) 47
Communications HQ (NC) COV. III
Comp. Automa. Technologies (FL) .13, 41
Durham Hamfest (NC) 14

Den-Tronics (MI) 39
EZ Hang, INC. (MD) 37
Huntington Hamfest (WV) 49
IRI Electronics (NC) 10, 19
Journal Advertising Rate Card 47
Journal Hamfest Sponsor Listings 38
Knoxville Hamfest (TN) 8
Kenwood Electronics (CA) 11
LDG Electronics (MD) 20
Maggiore Electronic Labs (PA) 44
Myrtle Beach Beachfest (SC) 36
NCG Companies (Comet) (CA) Cov. II
NHRC Repeater Controllers (NH) 3
Oak Ridge Hamfest (TN) 16

Raleigh Hamfest (NC) 40
RF Connection (MD) 17
Roanoke Hamfest (VA) 6
Rosewood Co. Books (SC) 51
Salisbury Hamfest (NC) 18
Shelby Hamfest (NC) 42
"Spotlight Page" - Reprts, Clubs, etc. .46
The Wireman (SC) 12
Virginia Beach Hamfest (VA) 9
Virginia Ham Radio Supply (VA) 5
Waynesville (WCARS) Hamfest (NC) .45
Williamston Hamfest (NC) 15
Winston-Salem Hamfest (NC) 4
WCARS VEC (TN) 7

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Please fill out the this short form SERA Full Member Application completely. Maximum number of letters for your repeater name is 14 characters. Be sure to list 2 persons as SERA representatives. ONLY these two will have voting rights, and receive the Repeater Journal. MAIL YOUR CHECK AND APPLICATION TO: SERA FULL MEMBERSHIP, P.O. BOX 215, TOBACCOVILLE, N.C. 27050. Deadline to be listed as member in next August, 2001 Repeater Journal is July, 10, 2001.

CITY/ MTN. ETC. (MAX 14 LETTERS)	RPTR CALLSIGN	INPUT FREQ.	OUTPUT FREQ.
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RPTR #2			
RPTR #3			
RPTR #4			

USE AS MANY LINES ABOVE AS YOU HAVE REPEATERS-ONE FOR EACH REPEATER. IF MORE SPACE NEEDED, USE SEPARATE SHEET OF PAPER.

NAME TWO PERSONS WHO WILL REPRESENT SERA AS FULL MEMBERS. EACH WILL RECEIVE THE REPEATER JOURNAL.

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■ IMPORTANT NOTE: ONLY OFFICIALLY SERA COORDINATED, ON-AIR, OPERABLE REPEATERS ARE ELIGIBLE FOR SERA FULL MEMBERSHIP. An application for SERA Full Membership status, and the payment of the respective dues thereof, does NOT constitute coordinated status for the repeater(s) listed on this application or accompanying sheets. Contact your local coordinator to learn how to obtain coordinated status. THANK YOU FOR YOUR GENEROUS FINANCIAL SUPPORT OF THE SOUTHEASTERN REPEATER ASSOCIATION, INC. - YOUR LOCAL COORDINATOR

REPEATER OWNERS - A LITTLE REMINDER!

There is nothing like letting your friends and users know you support SERA. Full Member repeaters are designated in our indexes by the little ☺. Don't be "un-smiley" ☹, fill out the application above and send it in. Two persons will be Full Member Representatives and get the Repeater Journal for 2001.



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 - AM Airband RX (118 ~ 136 MHz)
 - Extended Receive 136 ~ 174 MHz (FM)
 - MARS capability
 - 50/10/5 watt power output settings
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